

GADSDEN SPORTS PARK PHASE II

CITY OF GADSDEN ETOWAH COUNTY, ALABAMA NOVEMBER 2021



PROJECT LOCATION
LAT: 33°59'09" N
LONG: 85°59'34" W

VICINITY MAP
NOT TO SCALE

BID REQUEST NO.: 3464

PROJECT INFORMATION

CLIENT



CITY OF GADSDEN
90 MAIN STREET
GADSDEN, AL 35901

LOCATION



GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, AL 35903

BASE BID / ALTERNATES

- | | |
|--|--|
| <p>BASE BID</p> <ul style="list-style-type: none"> • 4-POD FACILITY REMODEL • NORTH PARKING LOT • SITE UTILITIES | <p>ALTERNATE</p> <ul style="list-style-type: none"> A1 - SHADE SAILS A2 - LANDSCAPING A3 - ALTERNATE DUGOUTS |
|--|--|

PROJECT DESIGN TEAM

ARCHITECT



442 CHESTNUT STREET
GADSDEN, AL 35901

PH: (256) 390-5657

ELECTRICAL ENGINEER



1521 RAINBOW DRIVE
GADSDEN, AL 35901

PH: (256) 413-7717

CIVIL ENGINEER

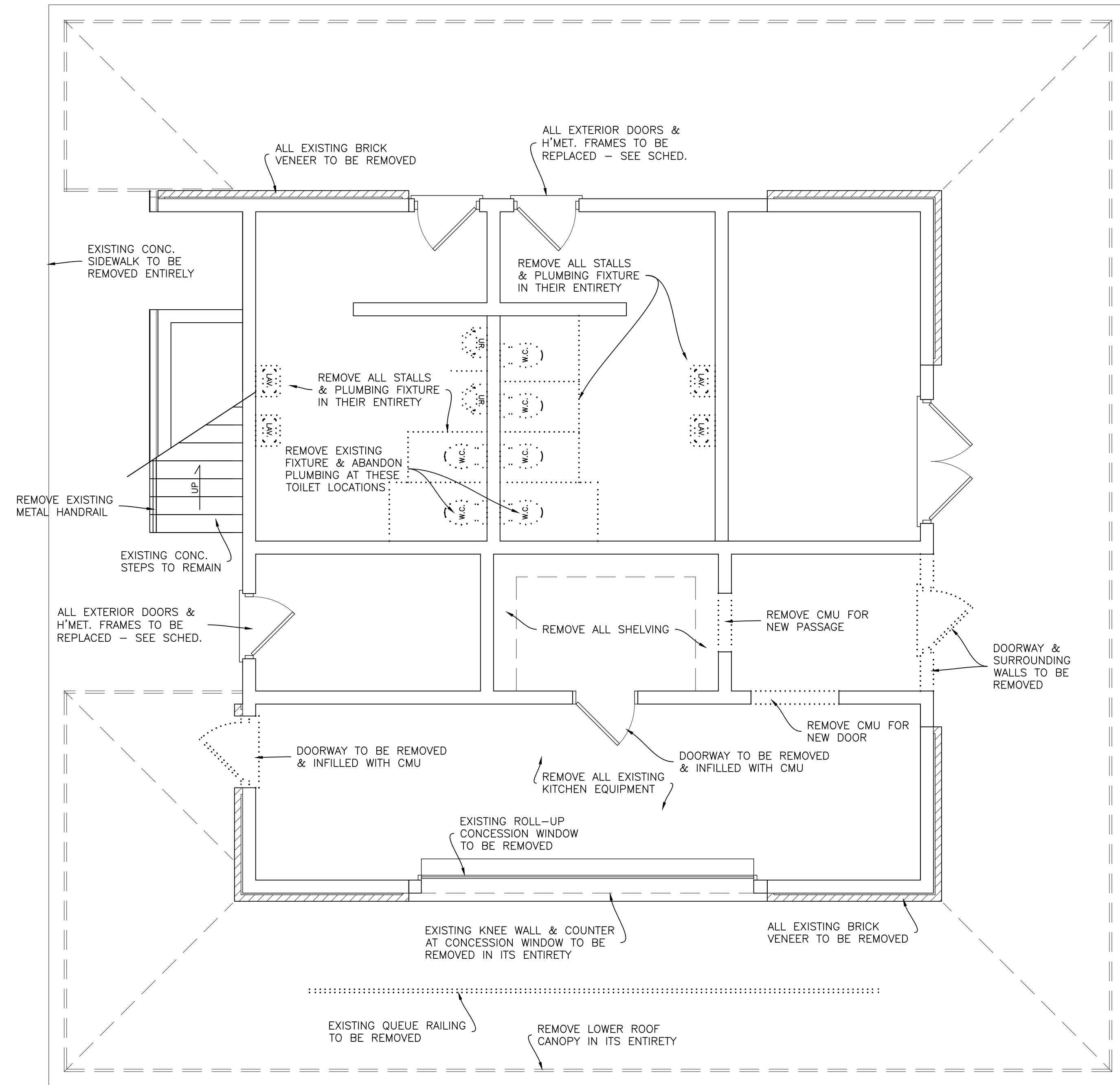


Engineering. Environmental. Answers.

224 BROAD ST., SUITE 201 ANDALUSIA, AL
GADSDEN, AL 35901 ALBERTVILLE, AL GADSDEN, AL
 AUBURN, AL HOOPER, AL
 DOTHAN, AL HUNTSVILLE, AL
P.O. BOX 2079 (35950)
PH: (256) 543-9431 CDG PROJECT NUMBER: R628120055

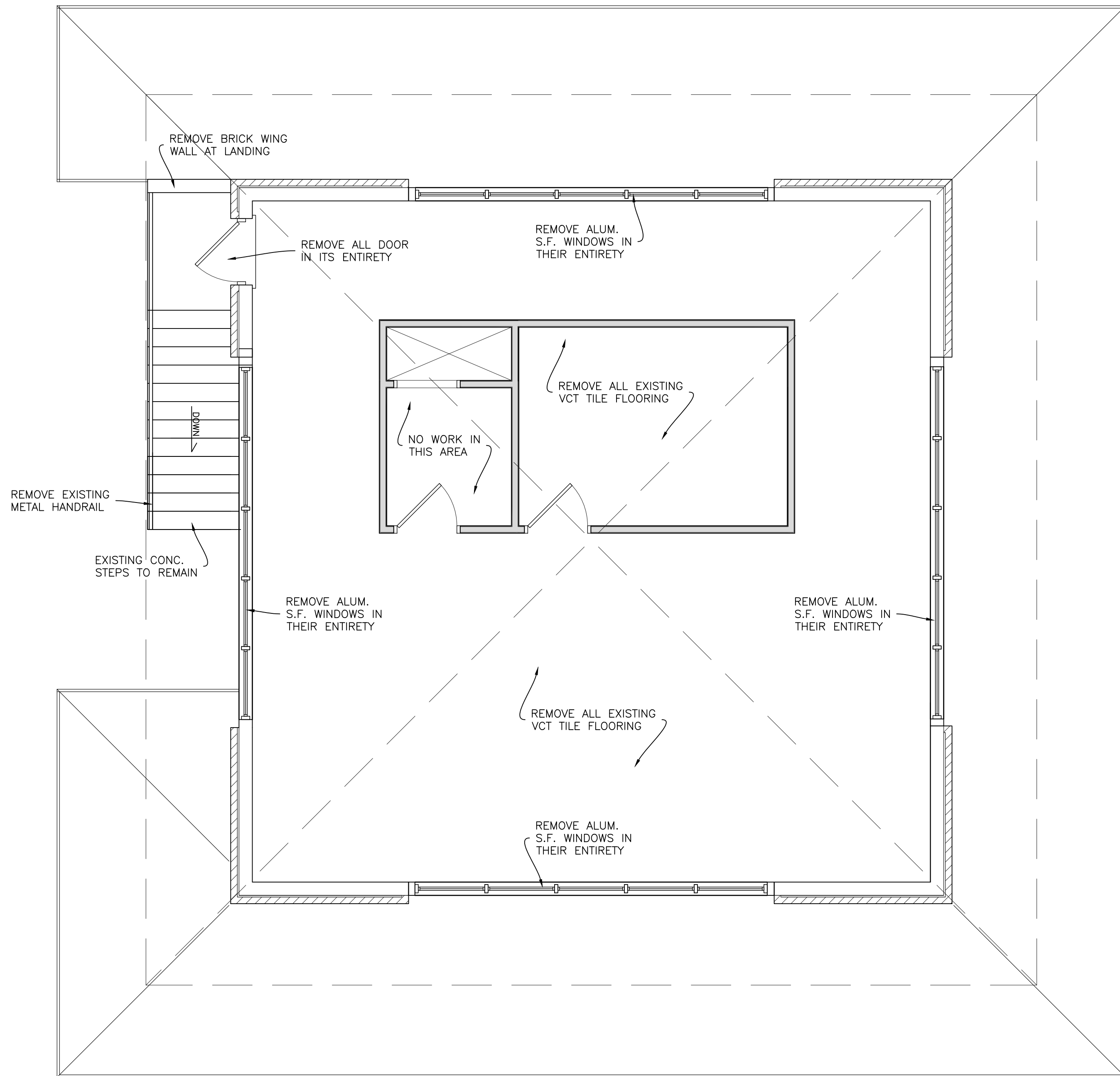
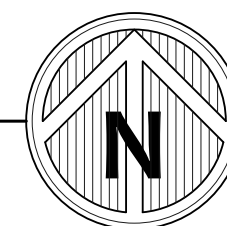
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C-807	CONSTRUCTION DETAILS		
C-808	CONSTRUCTION DETAILS		
C-809	CONSTRUCTION DETAILS		



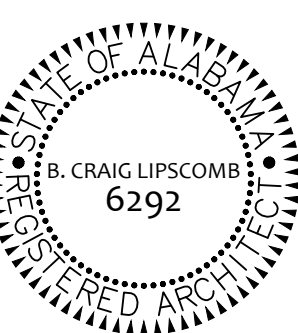
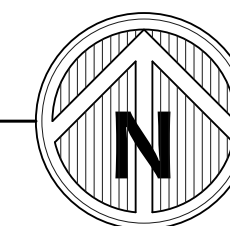
EXISTING PRESSBOX GROUND FLOOR PLAN - DEMO

SCALE: 1/4" = 1'-0"



EXISTING PRESSBOX SECOND FLOOR PLAN - DEMO

SCALE: 1/4" = 1'-0"



PRESSBOX DEMO.
 FLOOR PLAN

SCALE: AS SHOWN

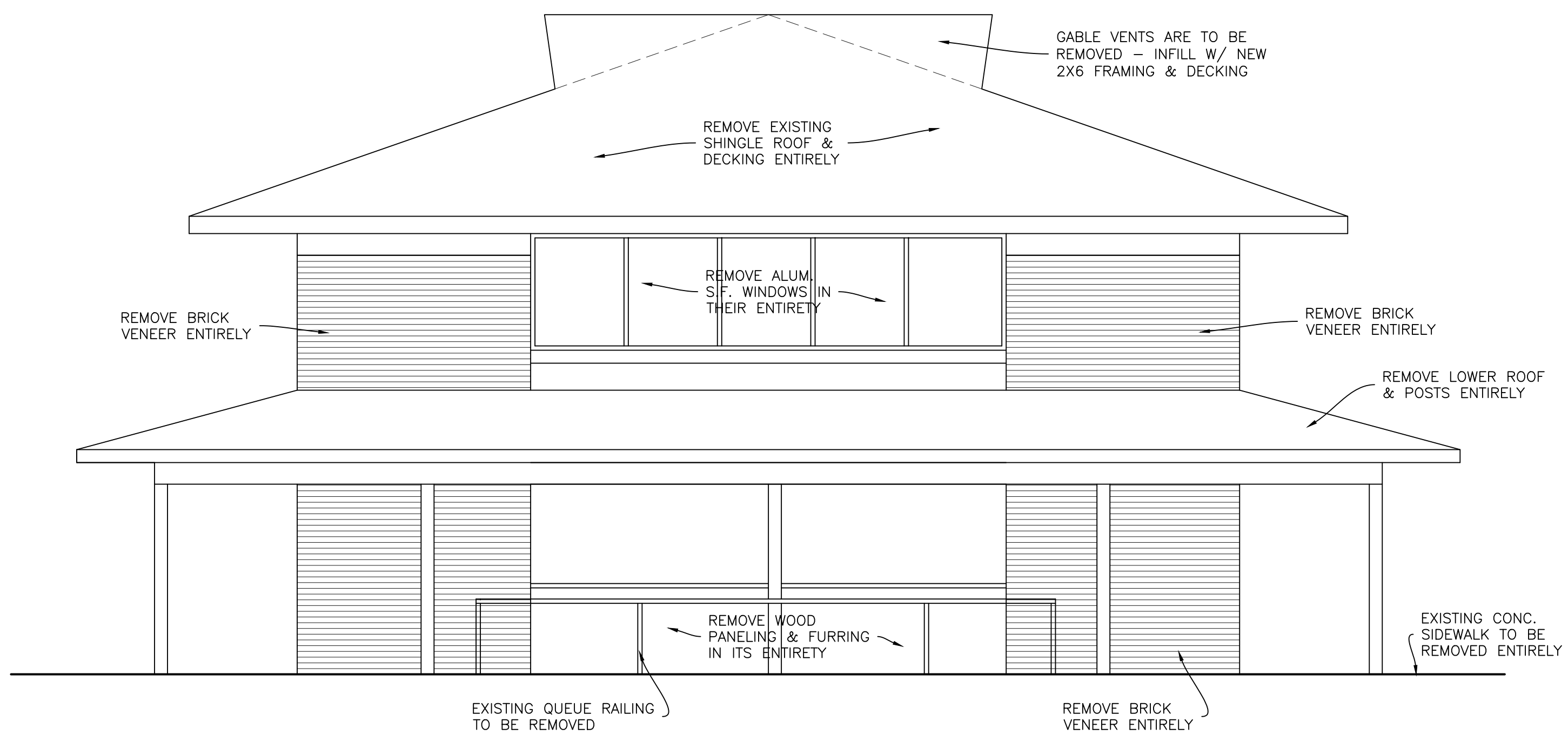
DATE: NOV. 5, 2021

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PROJECT NO: 2020C

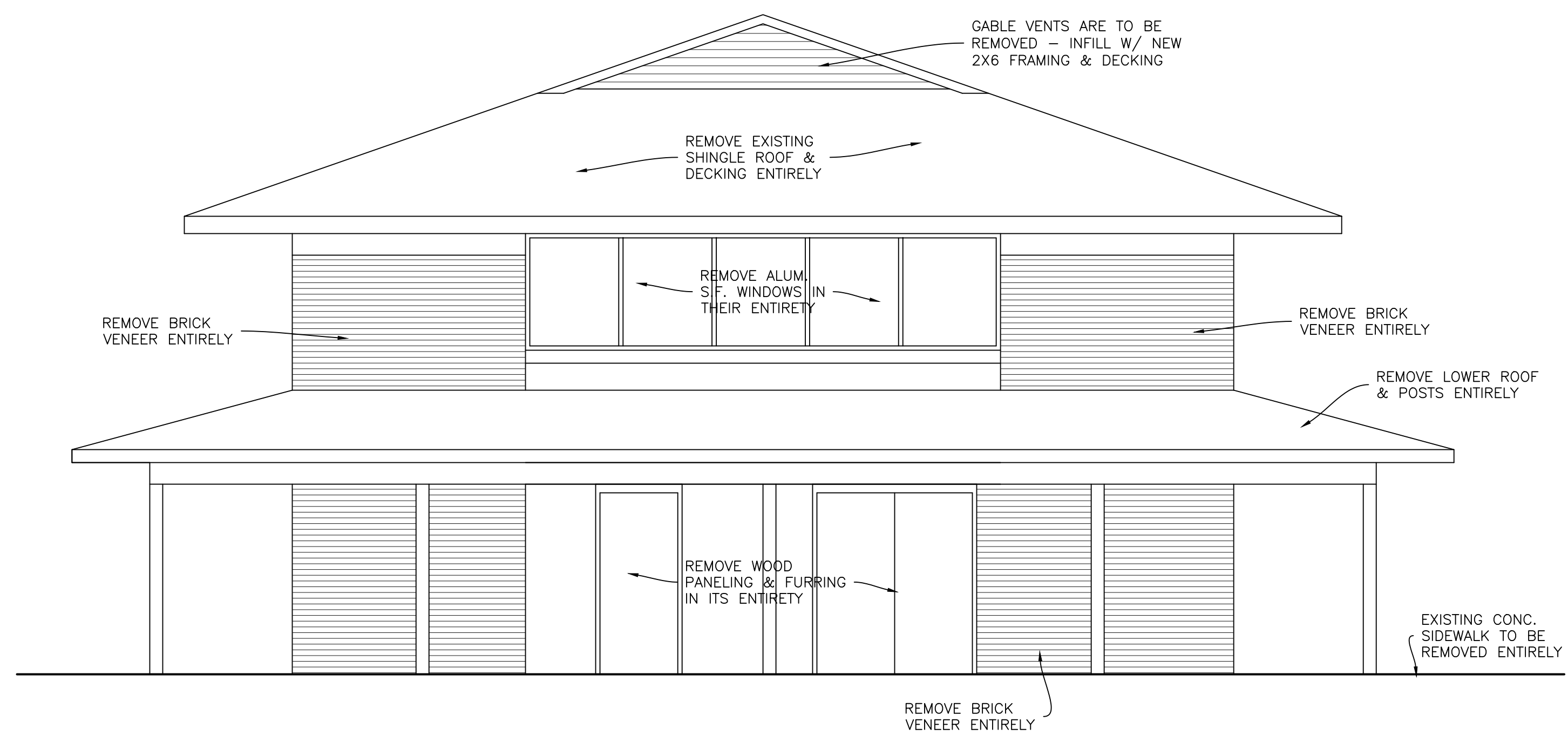
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SHEET NO.



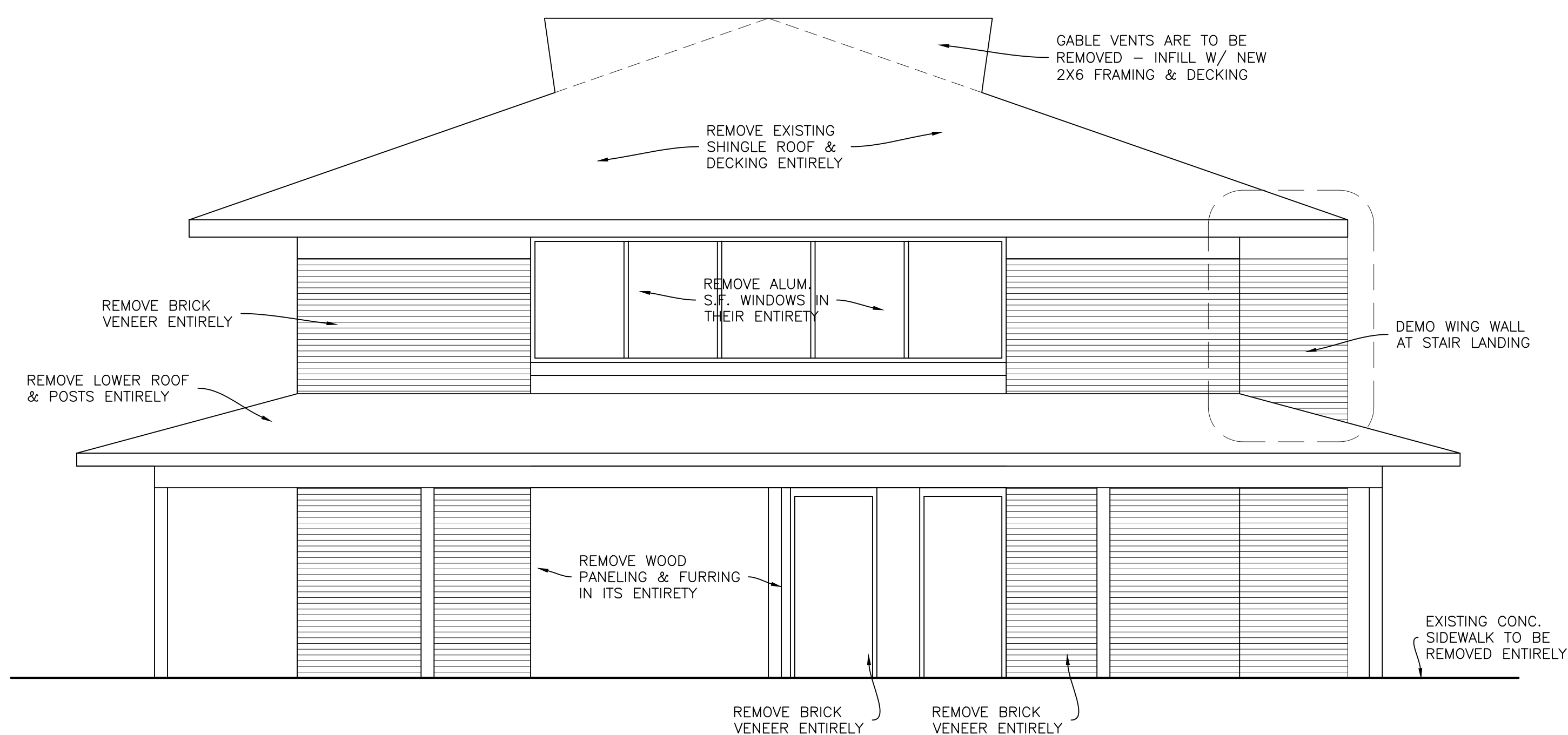
PRESSBOX SOUTH ELEVATION - DEMO

SCALE: 1/4" = 1'-0"



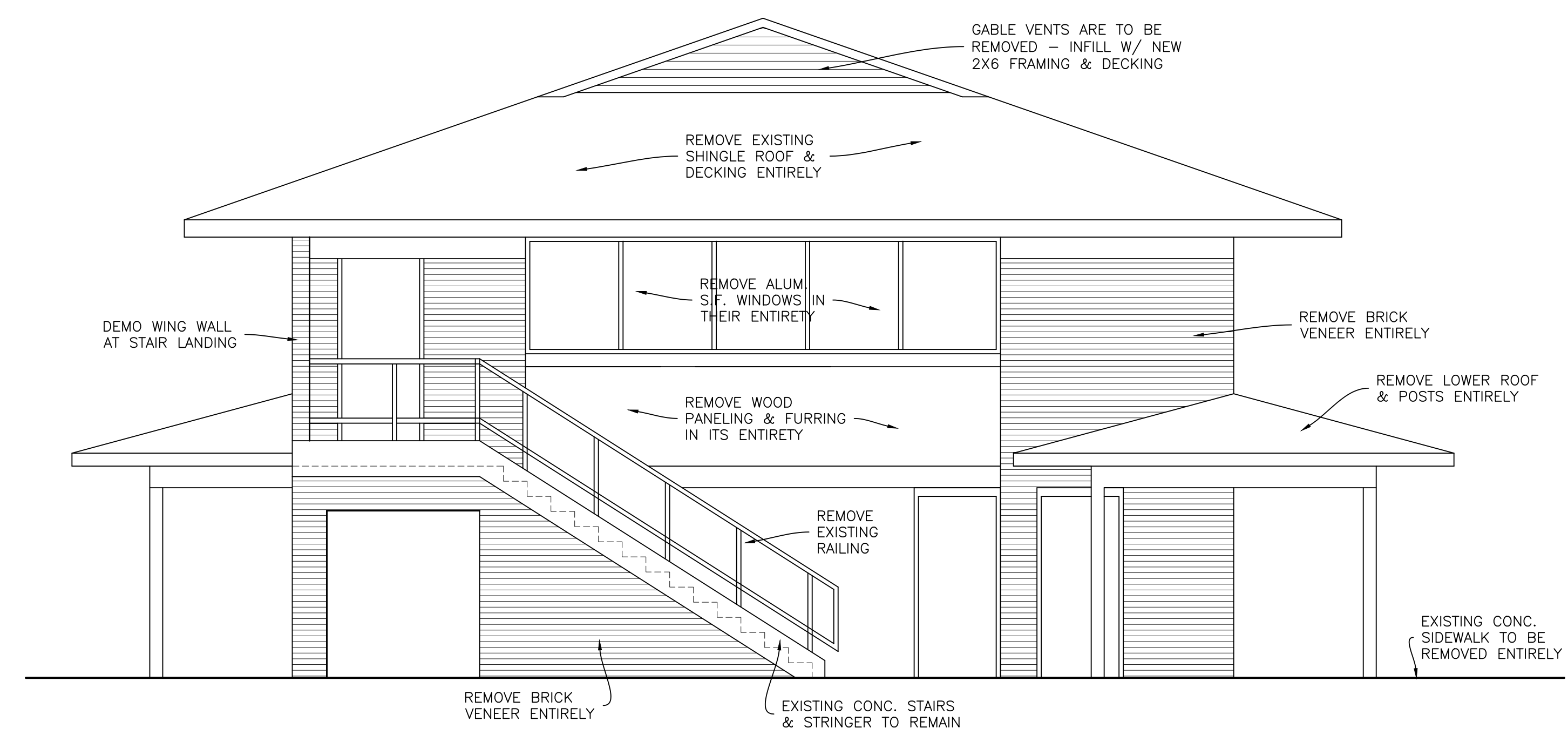
PRESSBOX EAST ELEVATION - DEMO

SCALE: 1/4" = 1'-0"



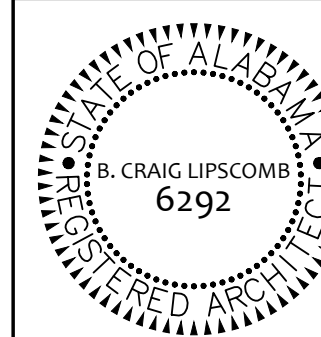
PRESSBOX NORTH ELEVATION - DEMO

SCALE: 1/4" = 1'-0"



PRESSBOX WEST ELEVATION - DEMO

SCALE: 1/4" = 1'-0"



PRESSBOX DEMO ELEVATIONS

SCALE: AS SHOWN

DATE: NOV. 5, 2021

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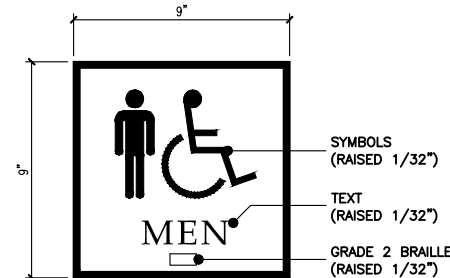
PROJECT NO: 2020C

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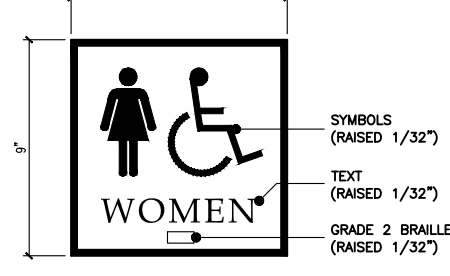
SHEET NO.

INTERIOR FINISH LEGEND			
FLOORING	WALLS	CEILING	CEILING HEIGHT
A POLISHED CONCRETE FLOOR	A EGGSHELL LATEX PAINT OVER EXISTING CMU	A 2'X2' LAY-IN VINYL TILE DROP CEILING	A +/- 8'-0"
B NEW LUXURY VINYL TILE	B EGGSHELL LATEX PAINT OVER 3/8" DRYWALL	B EGGSHELL LATEX PAINT OVER 3/8" DRYWALL	
C EXISTING TO REMAIN. CLEAN			
BASE	CEILING	CEILING HEIGHT	
A NONE	A 2'X2' LAY-IN VINYL TILE DROP CEILING	A +/- 8'-0"	
B NEW 4" RUBBER BASE	B EGGSHELL LATEX PAINT OVER 3/8" DRYWALL		
C EXISTING TO REMAIN. CLEAN			
WAINSCOT	CEILING HEIGHT		
A NONE OR EXISTING TO REMAIN. CLEAN	A +/- 8'-0"		

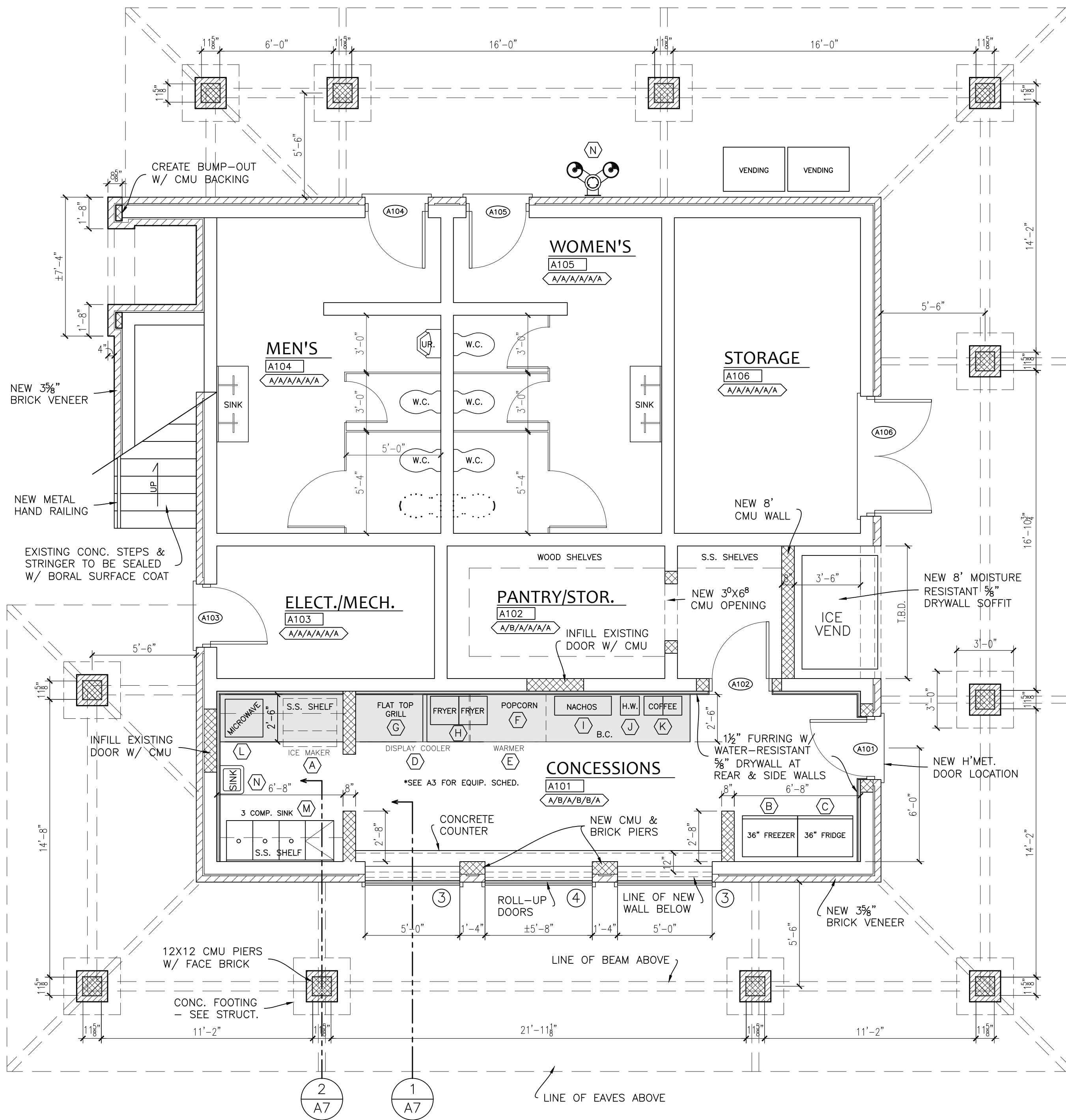
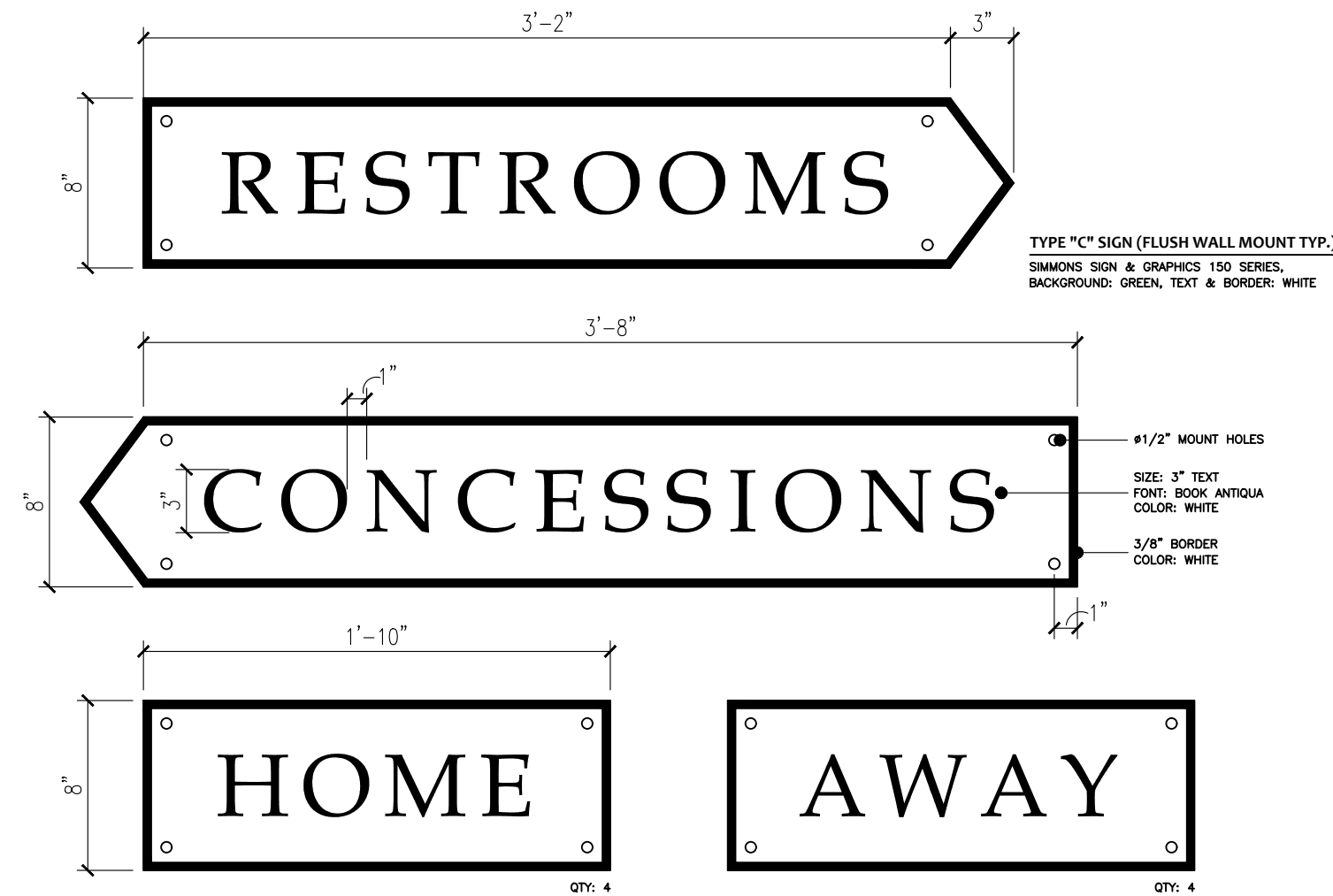
* REMOVE ANY EXISTING FINISHES IN CONFLICT WITH NEW WORK



TYPE "A" SIGN (FLUSH WALL MOUNT TYP.)
SIMONS SIGN & GRAPHICS 150 SERIES.
BACKGROUND: GREEN, TEXT & BORDER: WHITE

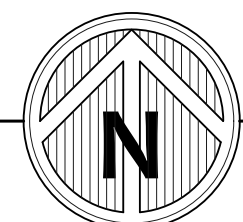


TYPE "B" SIGN (FLUSH WALL MOUNT TYP.)
SIMONS SIGN & GRAPHICS 150 SERIES.
BACKGROUND: GREEN, TEXT & BORDER: WHITE

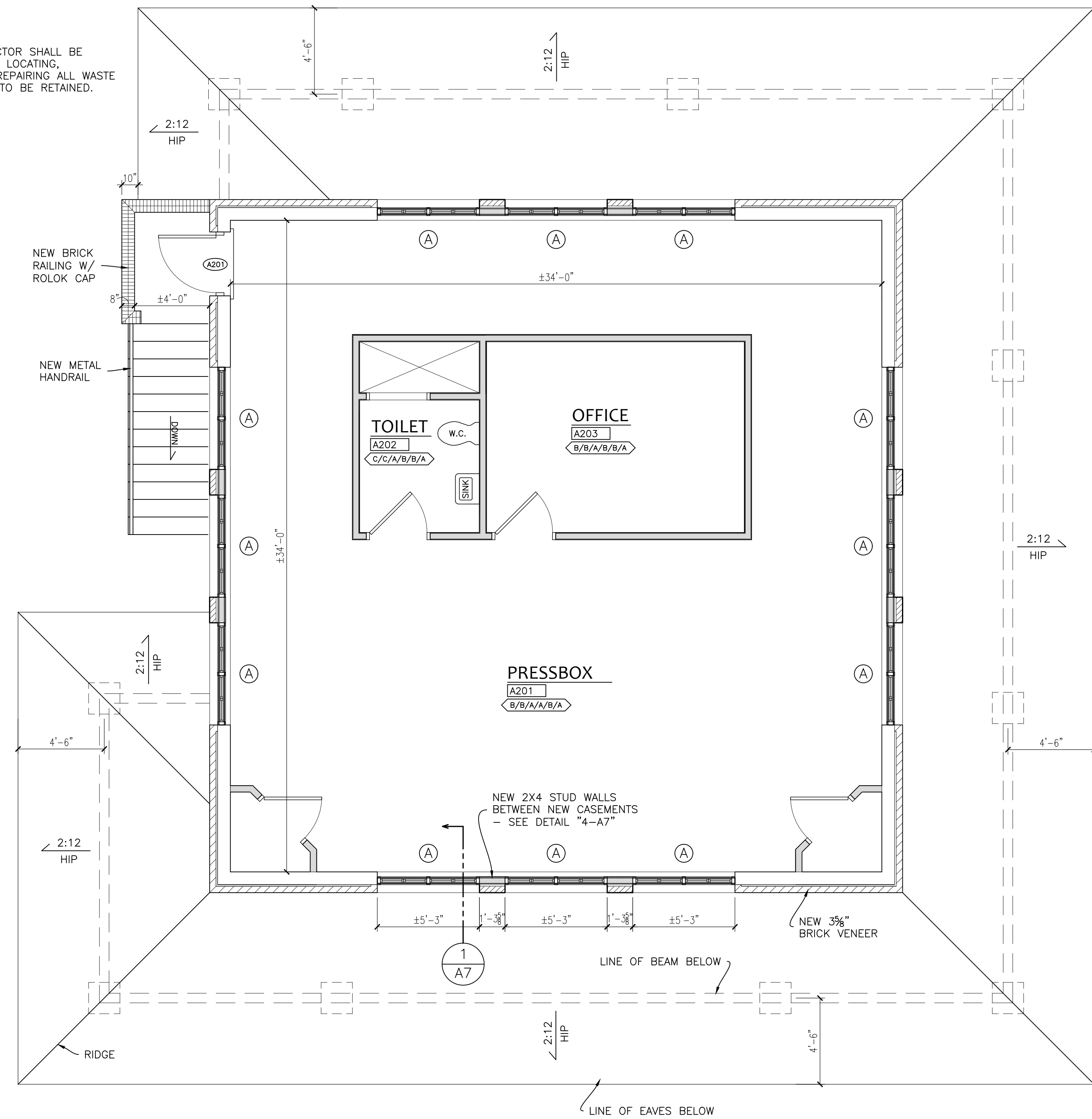


PRESSBOX GROUND FLOOR PLAN - RENOVATED

SCALE: 1/4" = 1'-0"

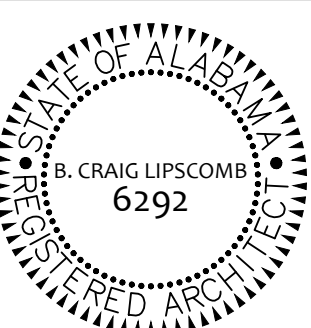
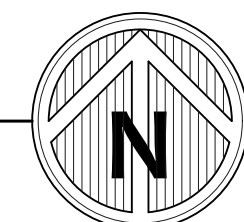


GENERAL NOTE:
GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, INSPECTING AND REPAIRING ALL WASTE PIPE SCHEDULED TO BE RETAINED.



PRESSBOX SECOND FLOOR PLAN - RENOVATED

SCALE: 1/4" = 1'-0"



PRESSBOX RENO. FLOOR PLAN

SCALE: AS SHOWN

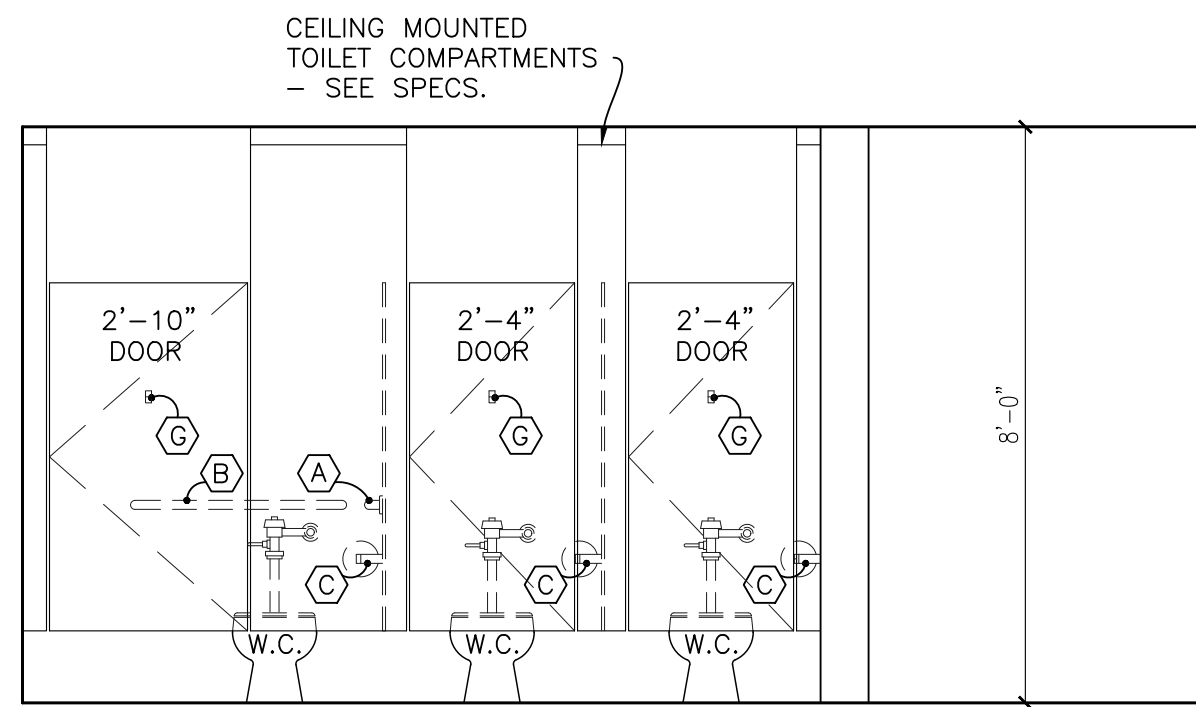
DATE: NOV. 5, 2021

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PROJECT NO: 2020C

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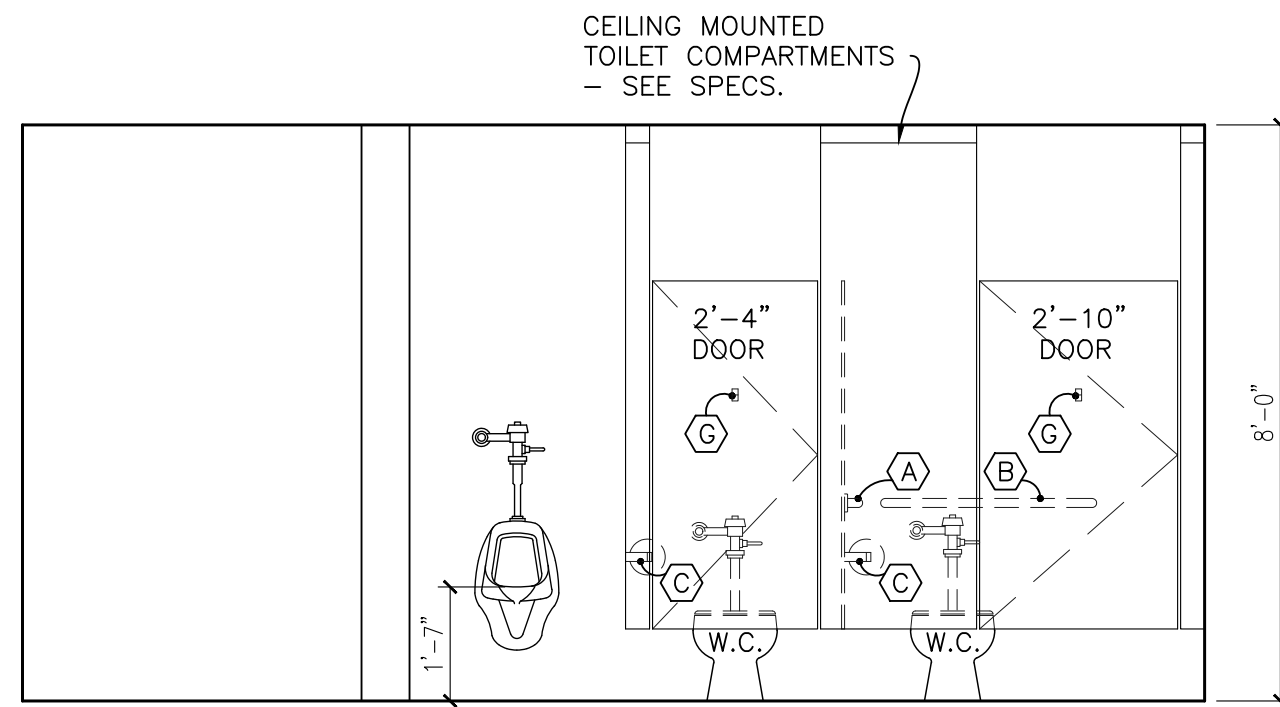
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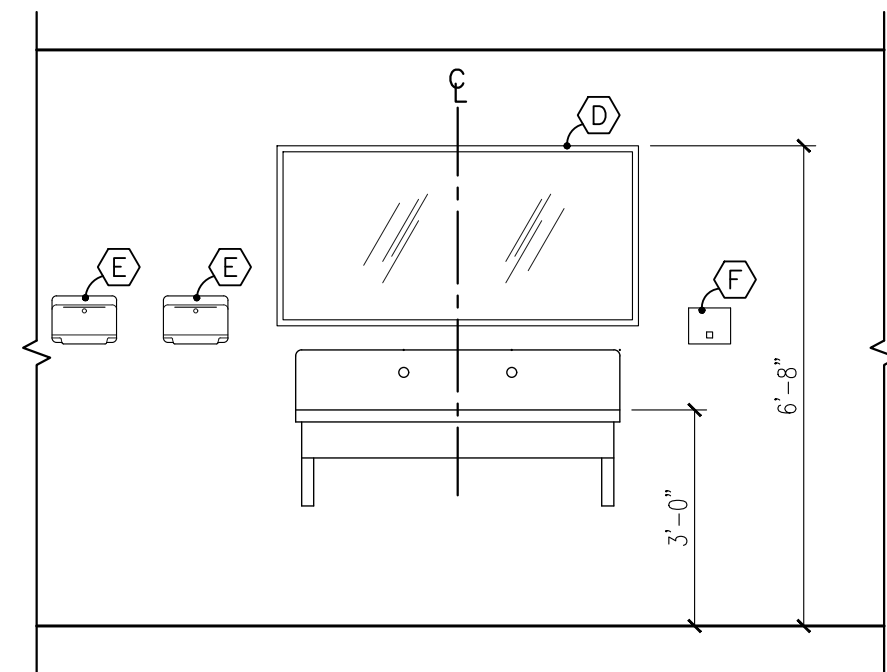
WEST WALL of TOILET "A105"

SCHEDULE of ACCESSORIES				
MARK	ITEM	MFR.	NO.	MOUNTING HEIGHTS
A	GRAB BARS AT SIDE WALL OF WATER CLOSET	BOBRICK	B-6806x42"	33" TO CENTERLINE ABOVE FIN. FLOOR
B	GRAB BARS AT REAR WALL OF WATER CLOSET	BOBRICK	B-6806x36"	33" TO CENTERLINE ABOVE FIN. FLOOR
C	TISSUE PAPER DISPENSER, SINGLE ROLL JUMBO	BOBRICK	B-2890	29.5" TO TOP OF UNIT ABOVE FIN. FLOOR
D	MIRROR, 30"x60"	BRADLEY	780-6024 60"x30"	SEE PLANS AND ELEVATIONS
E	PAPER TOWEL DISPENSER, SURFACE	BOBRICK	B-2621	47" TO TOP OF DISPENSER ABOVE FIN. FLOOR
F	SOAP DISPENSER, WALL MOUNT	BOBRICK	818615	49" TO TOP OF DISPENSER ABOVE FIN. FLOOR
G	DOOR STOP HANGER	-	-	BY PARTITION MANUFACTURER

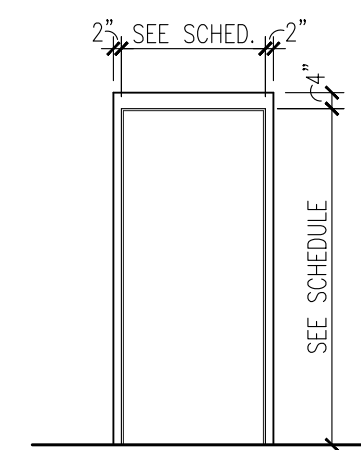
* OCCURS ON OPPOSITE WALL



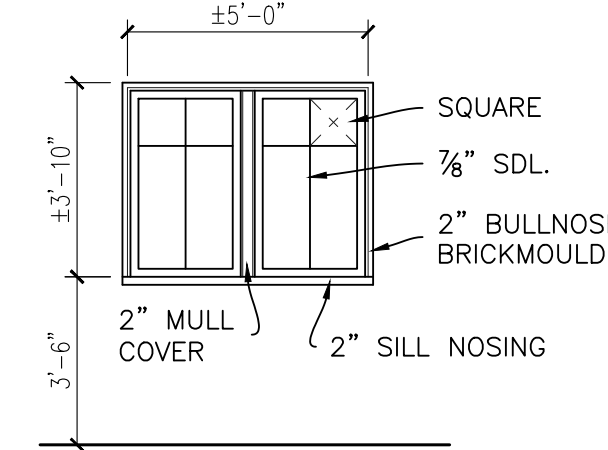
EAST WALL of TOILET "A104"



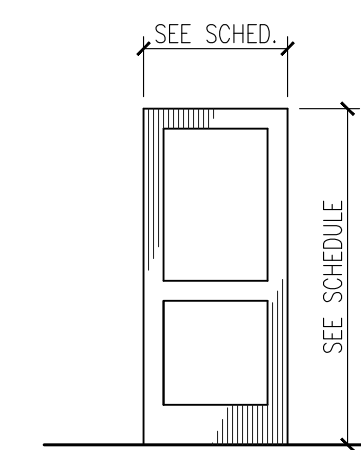
WEST WALL of TOILET "A104"
EAST WALL of TOILET "A105" SY. OPP.



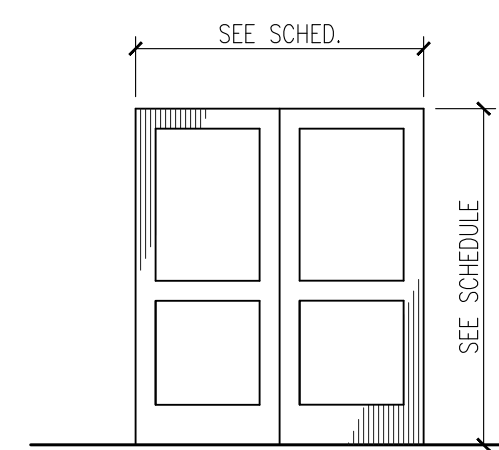
1
HOLLOW METAL
FRAME IN GAUGE
AS SPECIFIED



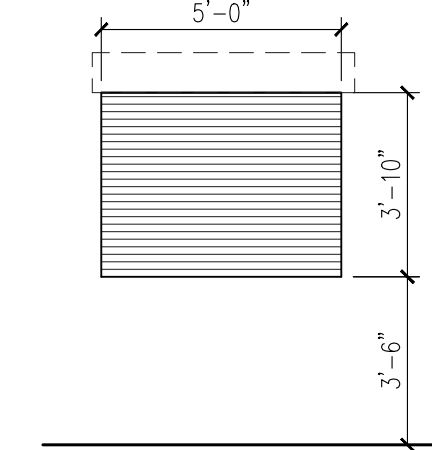
A
LINCOLN ALUM. WD.
CLAD CASEMENT
WINDOWS



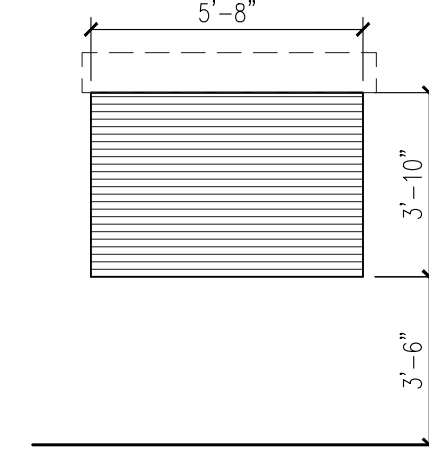
1
2 PANEL HOLLOW
METAL DOORS IN
GAUGE AS SPECIFIED



2
2 PANEL HOLLOW
METAL DOORS IN
GAUGE AS SPECIFIED



3
OVERHEAD COILING
ROLL-UP DOOR



4
OVERHEAD COILING
ROLL-UP DOOR

SCHEDULE of FRAMES & WINDOWS

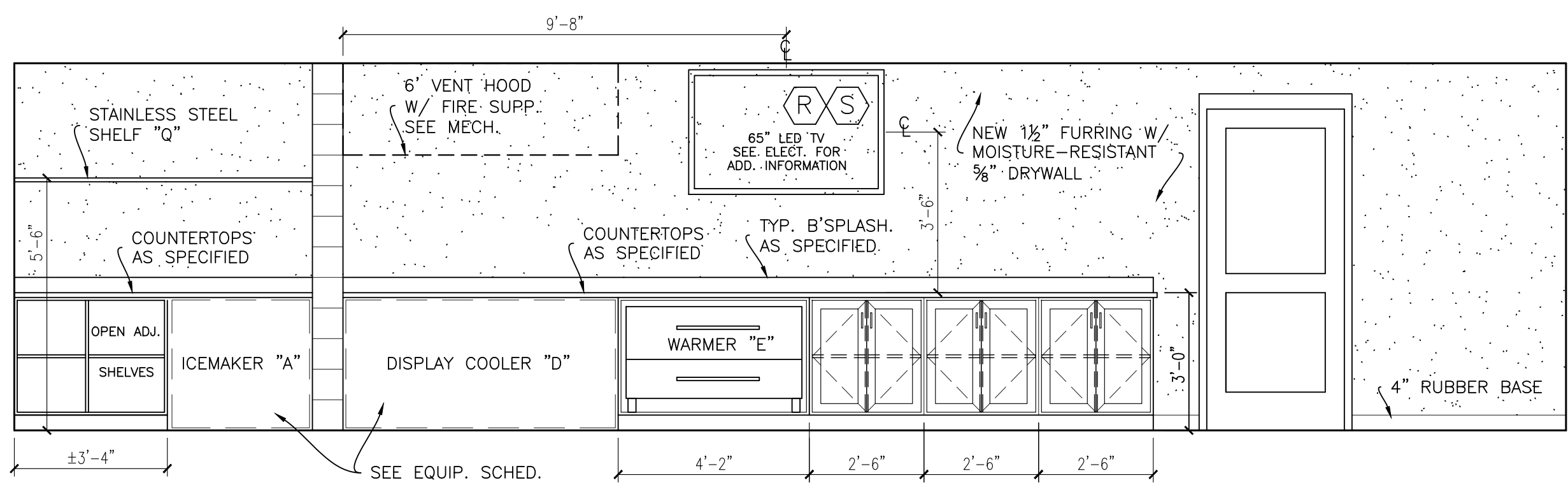
SCALE: 1/4" = 1'-0" FIELD VERIFY ALL DIMENSIONS

SCHEDULE of DOOR TYPES

SCALE: 1/4" = 1'-0" FIELD VERIFY ALL DIMENSIONS



TYPICAL WALL of SECOND FLOOR WINDOWS "A201"



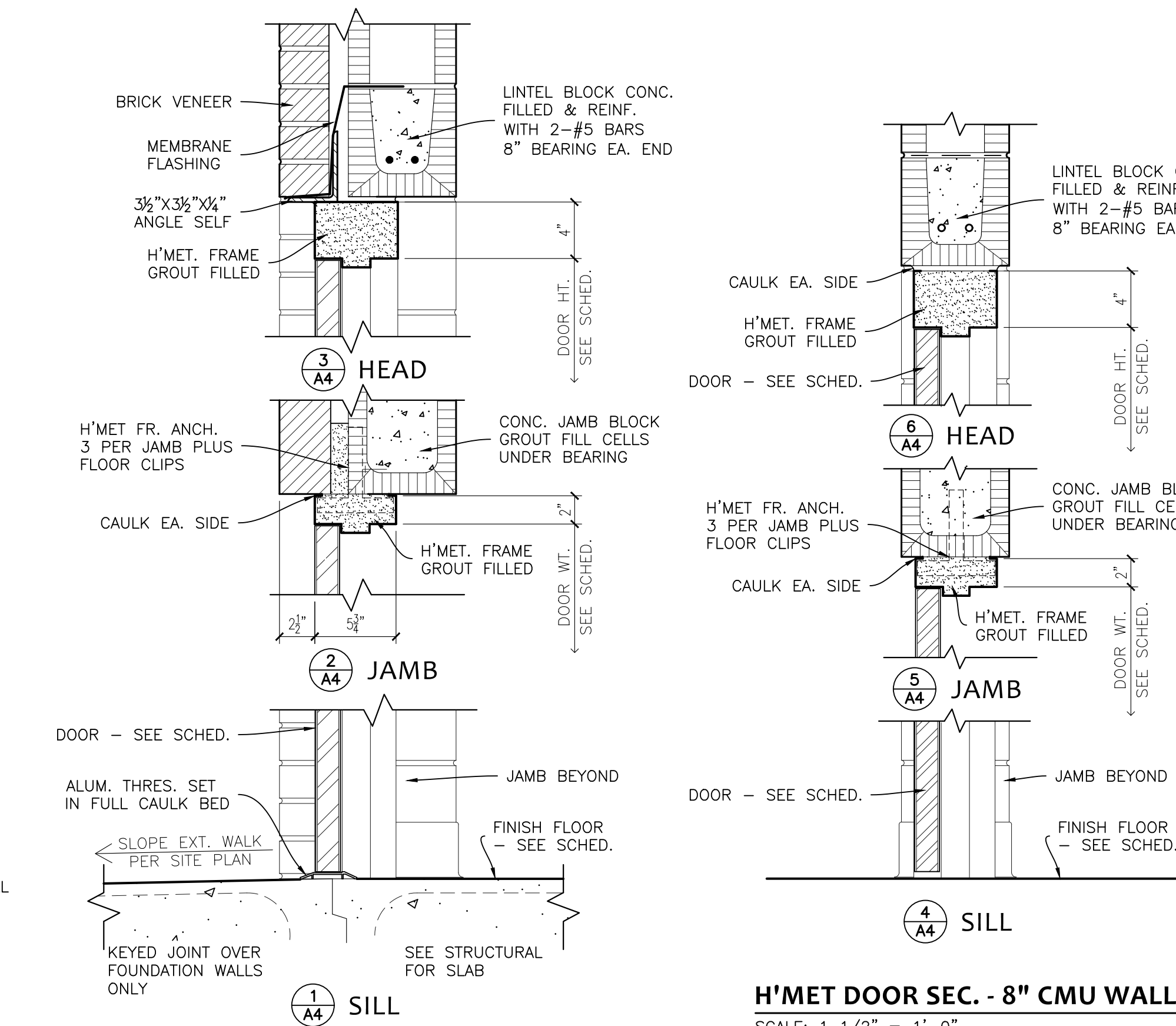
SOUTH WALL of CONCESSION "A101"

INTERIOR ELEVATION

SCALE: 3/8" = 1'-0"

EQUIPMENT SCHEDULE			
MARK	DESCRIPTION	MANUFACTURER	MODEL NUMBER
A	36" UNDERCOUNTER ICE MAKER	HOSHIZAKI	F-300BAJ
B	35" HORIZON SERIES FREEZER	BEVERAGE AIR	HFP1WHC-1S
C	35" HORIZON SERIES FRIDGE	BEVERAGE AIR	HRP1WHC-1S
D	72" DISPLAY COOLER	BEVERAGE AIR	BB72HC-1-G-S
E	HAND DRYER	SEE ELECT.	SEE ELECT.
F	14OZ POPCORN MACHINE	PARAGON	1112810
G	36" FLAT TOP GRILL	ADVANTCO	EG36N
H	DUAL TANK ELECTRIC FRYER	ADVANTCO	F102
I	NACHO MACHINE	BY OWNER	-
J	1.5GAL HOT WATER RESERVOIR	ADVANTCO	HWD15G
K	COFFEE MAKER	ADVANTCO	C10
L	COMMERCIAL MICROWAVE	SOLWAVE	180MW1000D
M	68" 3 COMPARTMENT SINK	ADVANCE TABCO	SEE PLUMBING
N	DRINKING FOUNTAINS	ELKAY	SEE PLUMBING
O	15"x48" S.S. SHELF	REGENCY	600WS1548HD
P	17" WALL MOUNT HAND SINK	REGENCY	600HS17
Q	15"x60" S.S. SHELF	REGENCY	600WS1560HD
R	65" LED TELEVISION	SAMSUNG	TU7000
S	TELEVISION MOUNT	HEAVY DUTY	TILTING BY DESIGN

ALL COLORS, FINISHES, ETC. BY ARCHITECT, EQUAL MANUFACTURERS W/ PRIOR APPROVAL

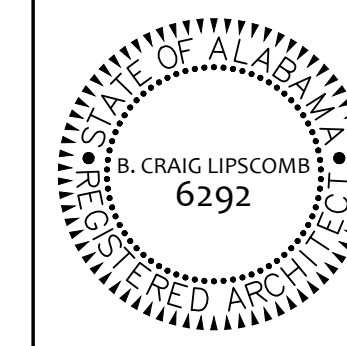


H'MET DOOR SECTION - EXTERIOR WALL

SCALE: 1 1/2" = 1'-0"

H'MET DOOR SEC. - 8" CMU WALL

SCALE: 1 1/2" = 1'-0"

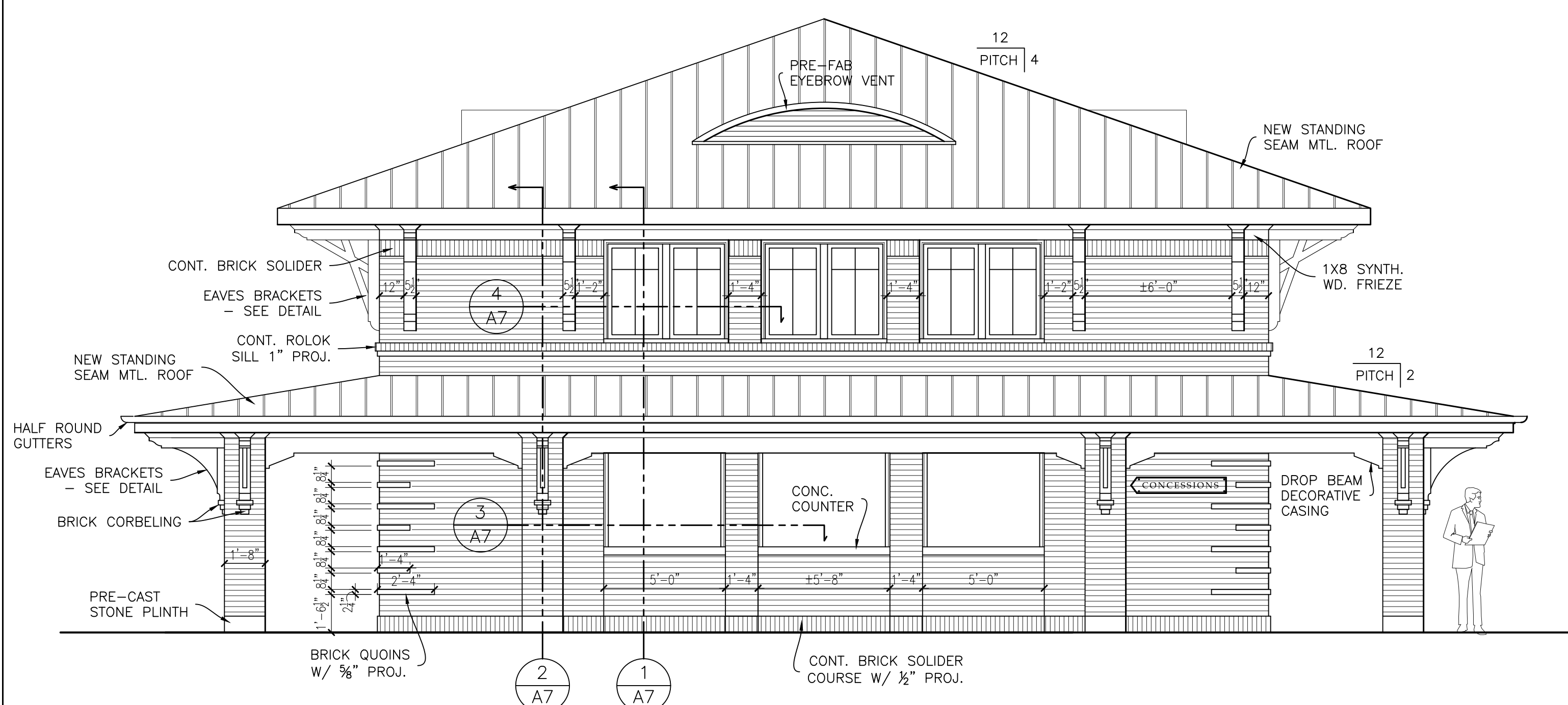


PRESSBOX RENO. ELEVATIONS

SCALE: AS SHOWN
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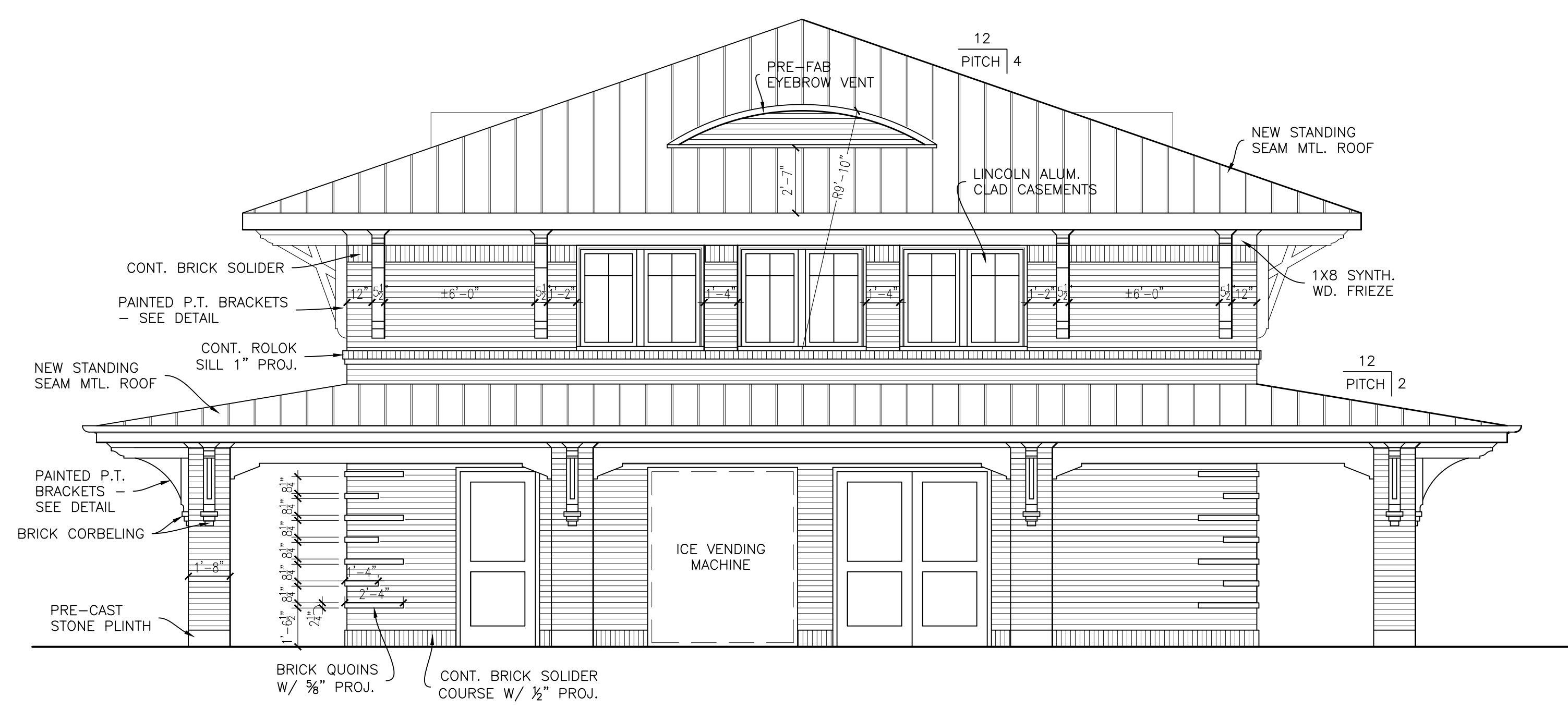
PROJECT NO: 2020C

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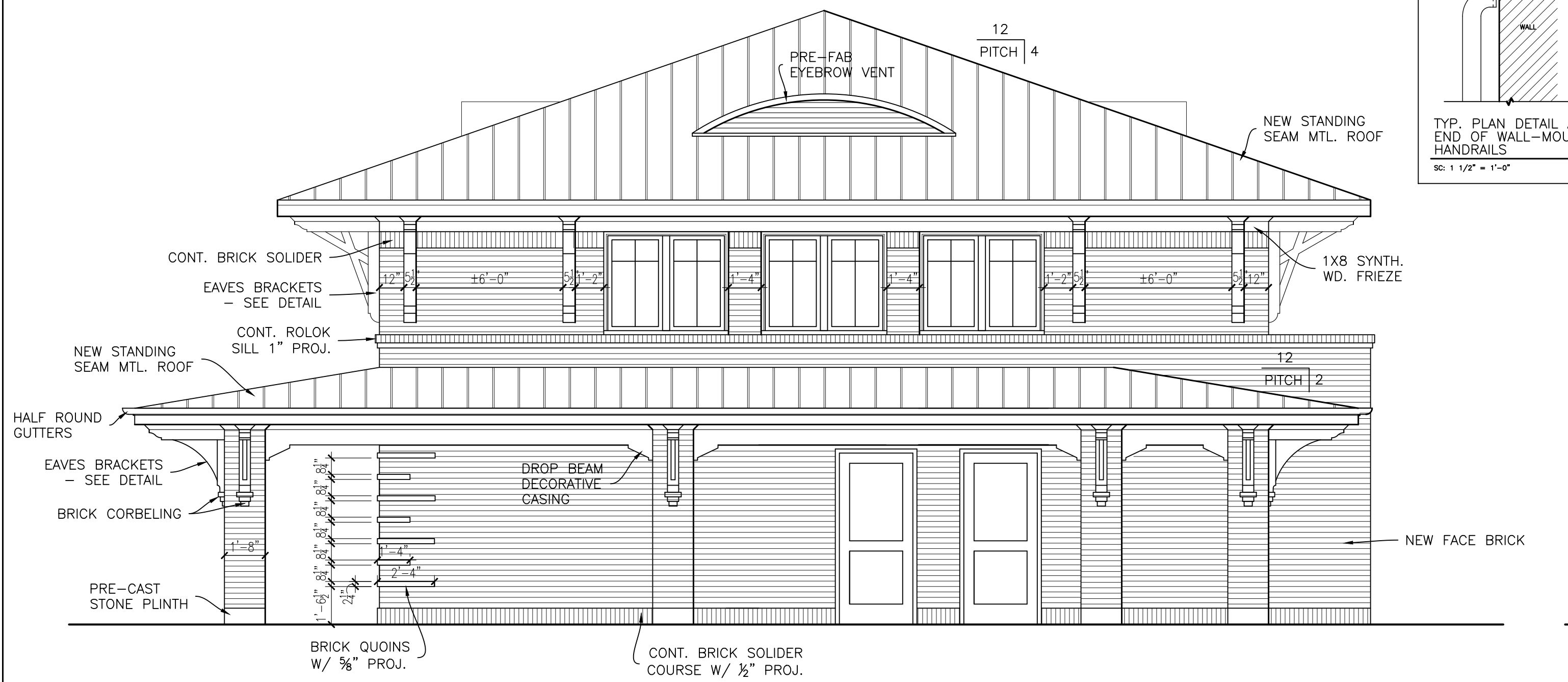
PRESSBOX SOUTH ELEVATION

SCALE: 1/4" = 1'-0"



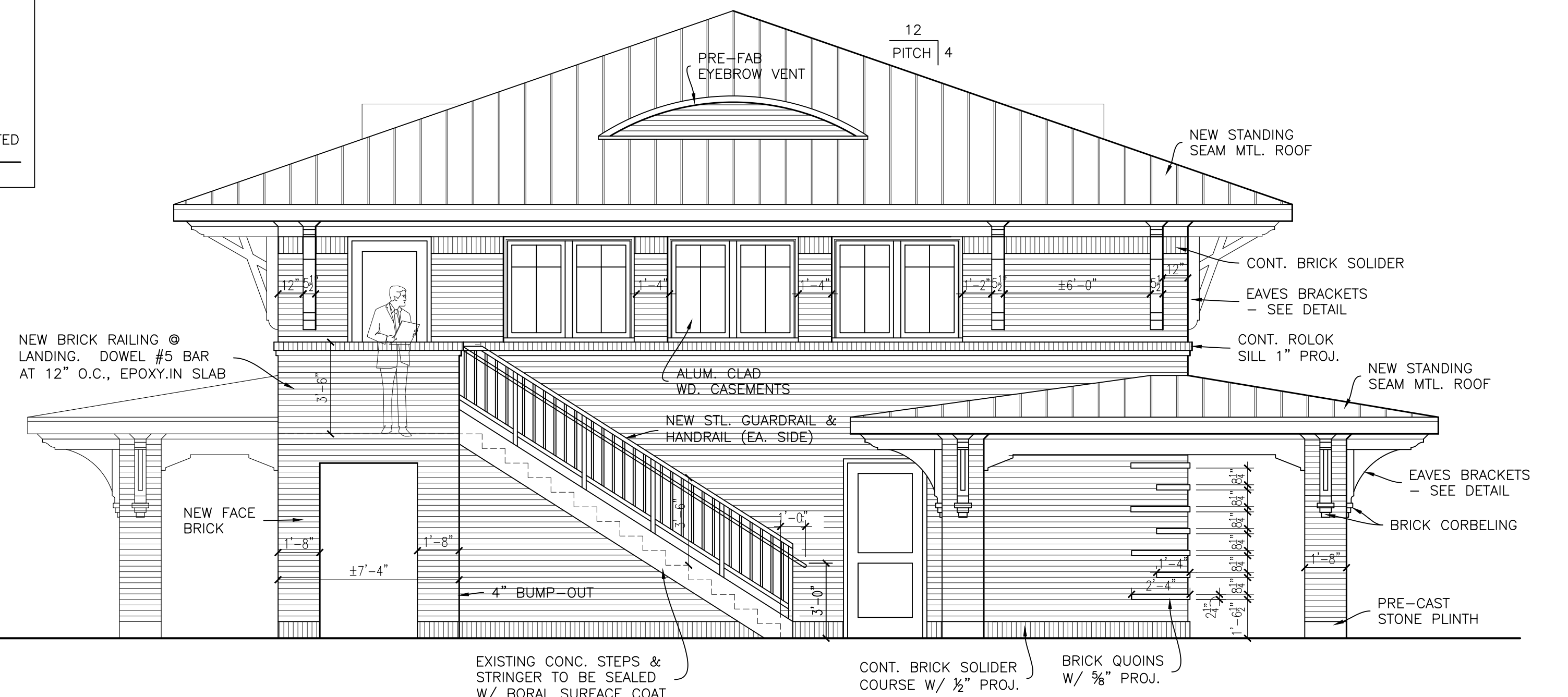
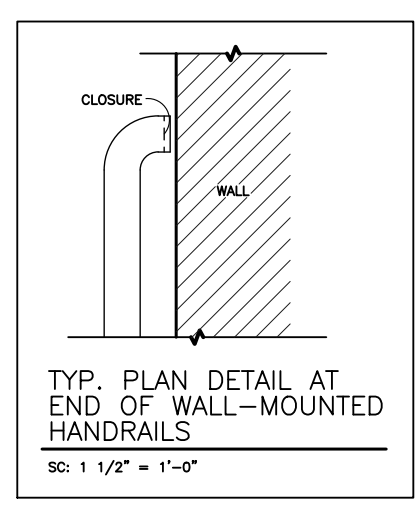
PRESSBOX EAST ELEVATION

SCALE: 1/4" = 1'-0"



PRESSBOX NORTH ELEVATION

SCALE: 1/4" = 1'-0"

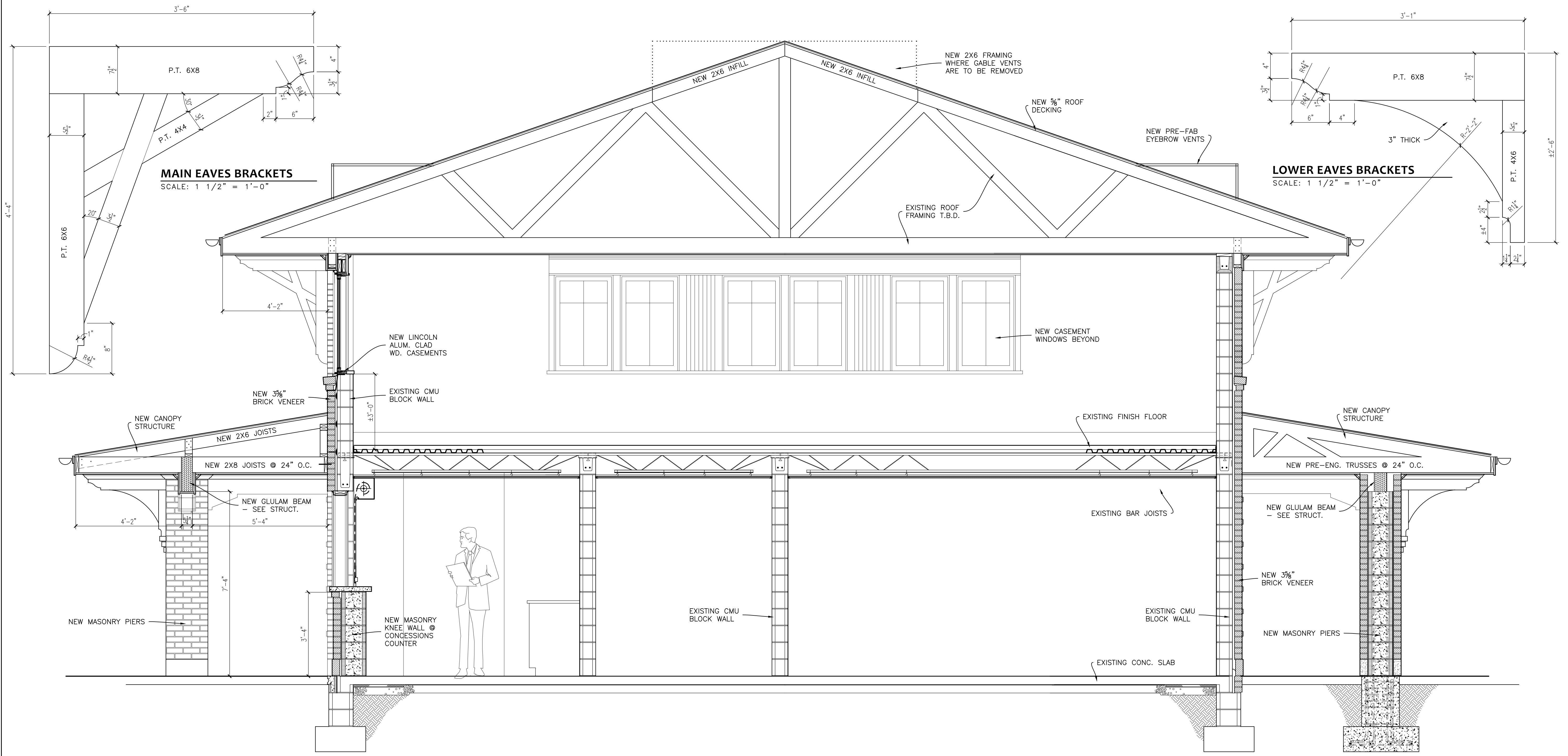


PRESSBOX WEST ELEVATION

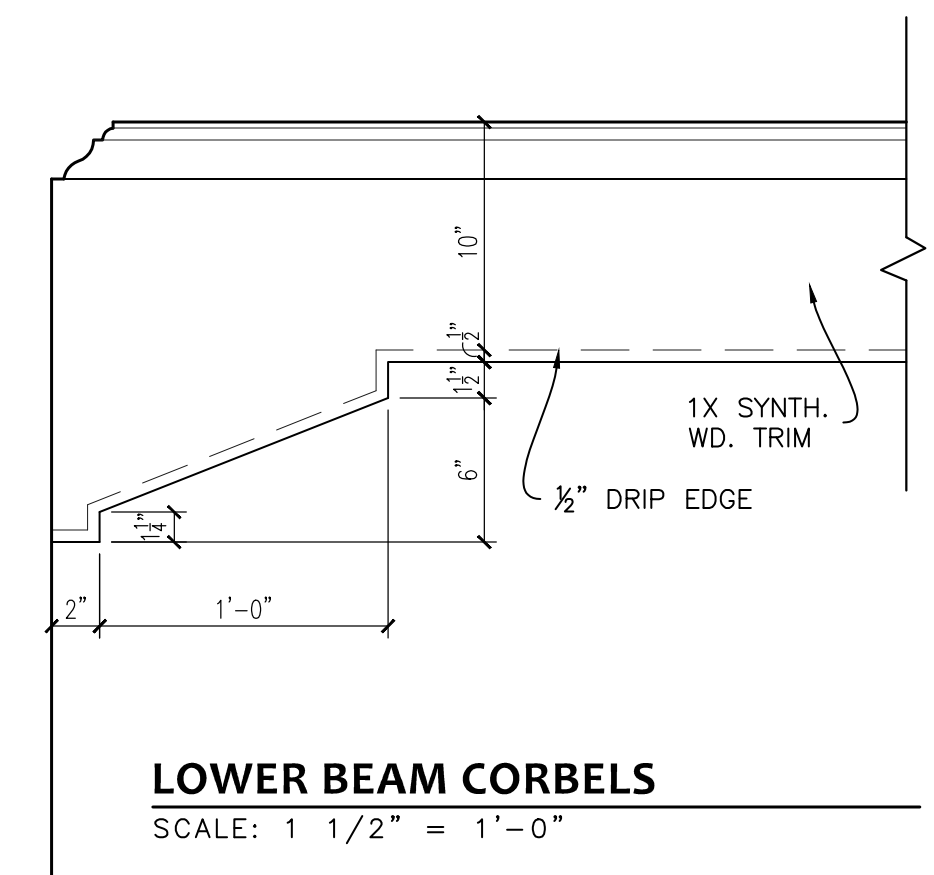
SCALE: 1/4" = 1'-0"

NEW WALL MOUNTED HANDRAILS:
 NEW WALL MOUNTED HANDRAIL SHALL BE 1-1/2" O.D. STEEL PIPE HANDRAILS WITH RETURN AT ENDS AS DETAILED AND J.G. BRAUN #4596 MOUNTING BRACKETS. EACH RAIL SHALL BE MOUNTED WITH ONE BRACKET CENTERED ON UPPER & LOWER EXTENSION AND REMAINING BRACKETS EQUALLY SPACED AT NO MORE THAN 4'-0" O.C.

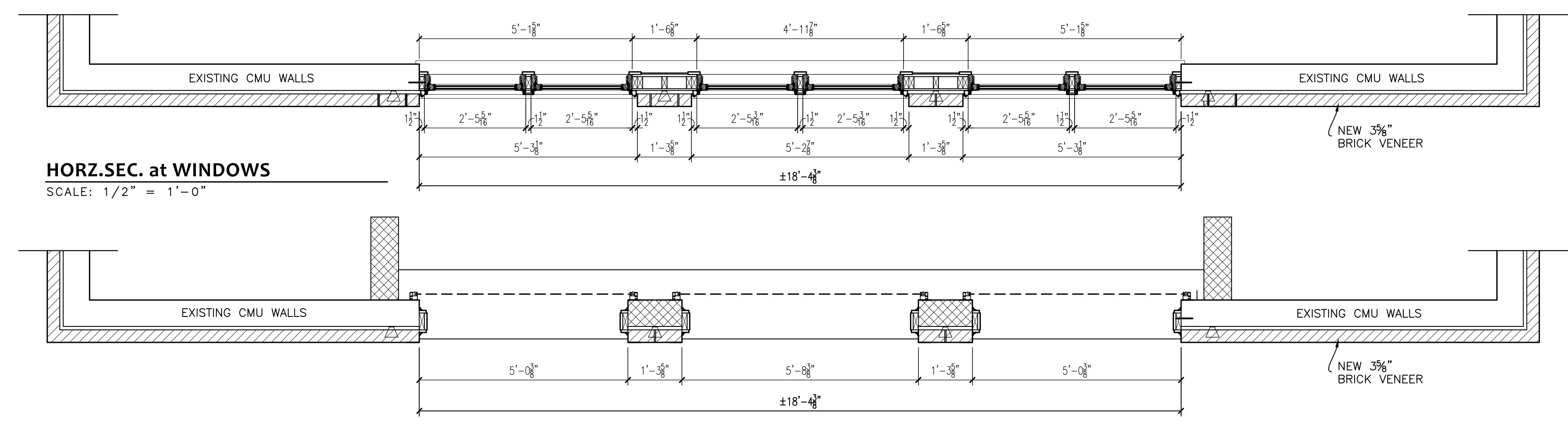
NEW HANDRAILS MOUNTED ON NEW STEEL STRINGERS:
 NEW STEEL STRINGER MOUNTED GUARDRAILS WITH HANDRAILS SHALL BE 1-1/2" O.D. STEEL PIPE HANDRAIL AND BOTTOM RAILS CONT. CURVED AT LANDINGS WITH 1/2" SQUARE STEEL VERTICAL PICKETS AT 4" O.C. MAX.; 1-1/2" O.D. STEEL PIPE VERTICAL PICKETS AT 1'-0" FROM ENDS OF RAILS. ALL VERTICAL TRANSITIONS AND EQUALLY SPACED AT 4'-0" O.C. MAX. SEE FLOOR PLANS AND ELEVATIONS. WELD ALL VERTICAL PICKETS TO STEEL STRINGERS.



PRESSBOX LONGITUDINAL CROSS SECTION
SCALE: 1/2" = 1'-0"



LOWER BEAM CORBELS
SCALE: 1 1/2" = 1'-0"

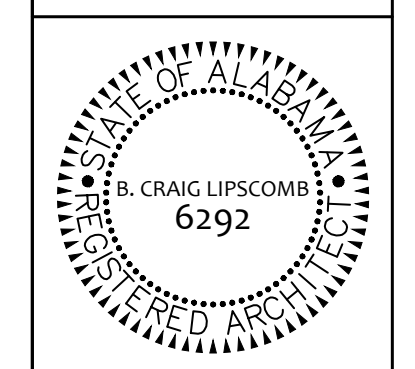


HORIZ. SEC. at WINDOWS
SCALE: 1/2" = 1'-0"

HORIZ. SEC. at CONCESSION
SCALE: 1/2" = 1'-0"

B. Craig Lipscomb Architect
442 Chestnut Street
Gadsden, AL 35901
256.390.5657
www.BCLArch.com

A SPORTS PARK for the CITY OF GADSDEN
GADSDEN, ALABAMA

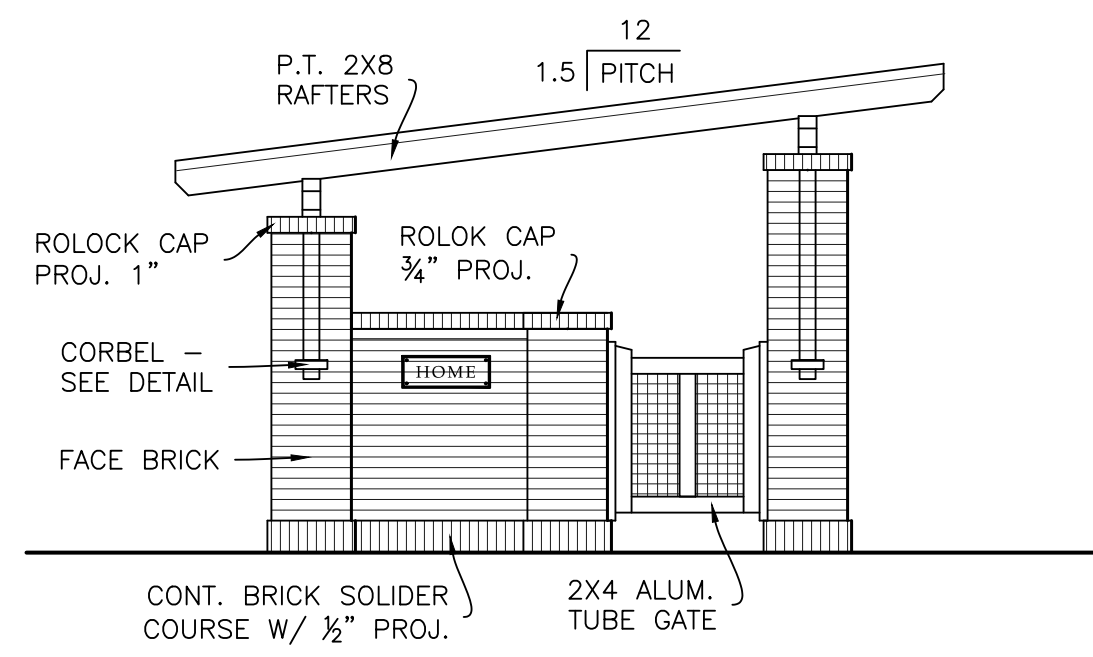


PRESSBOX CROSS-SECTION & DETAILS

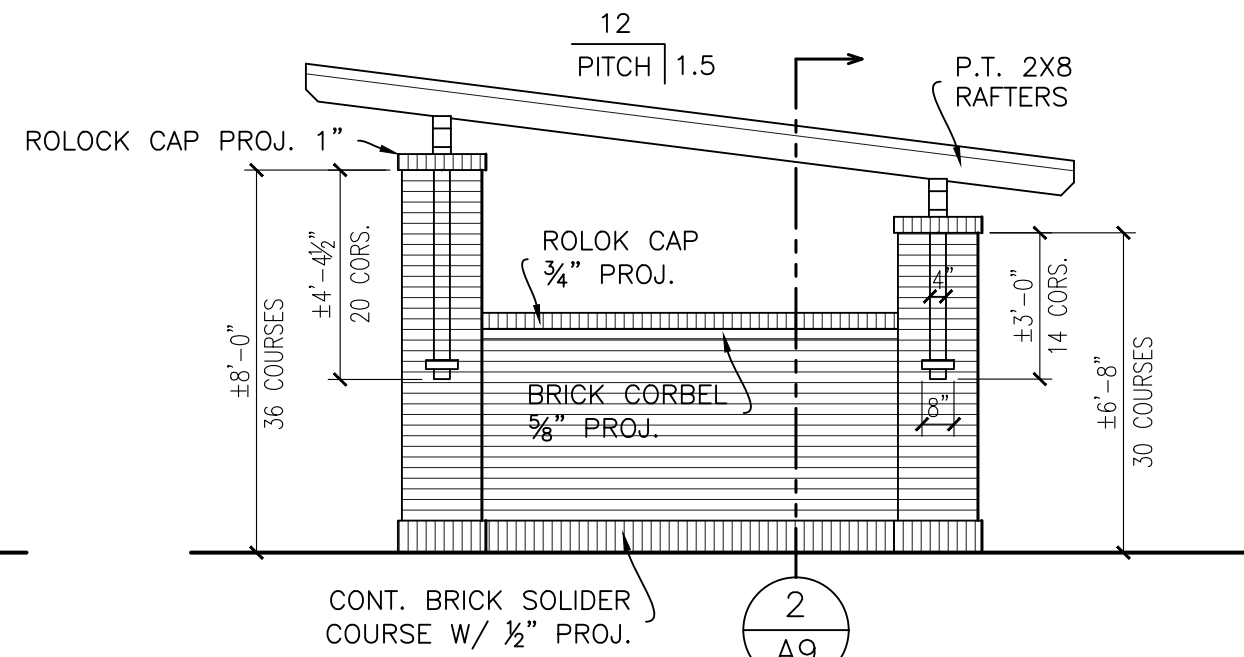
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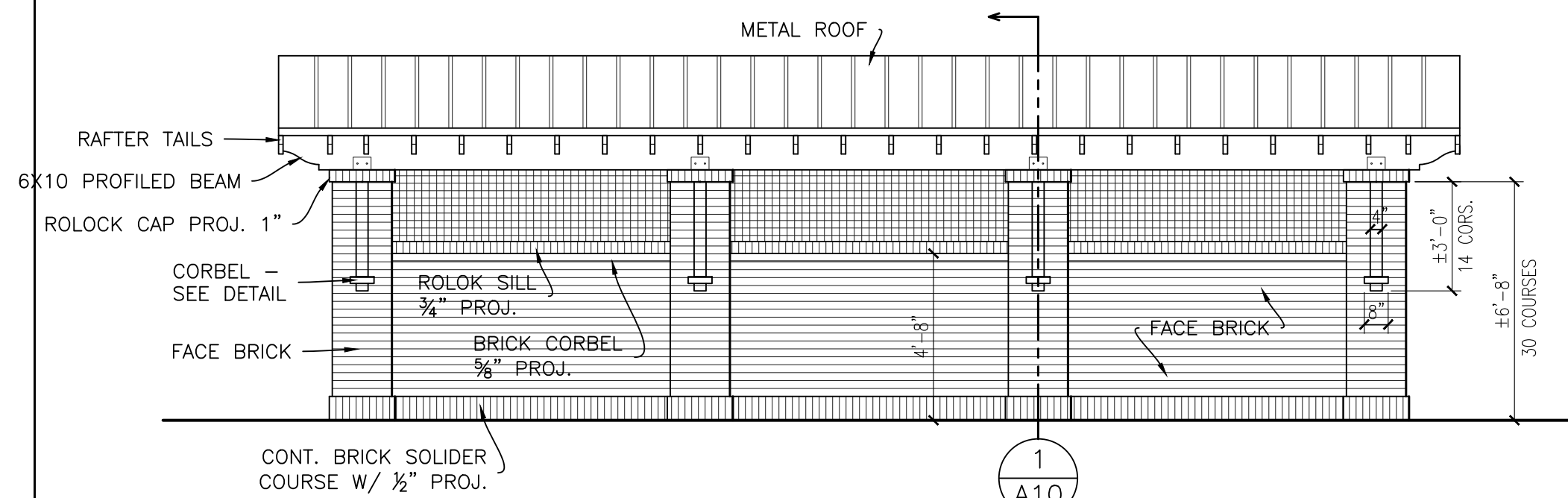
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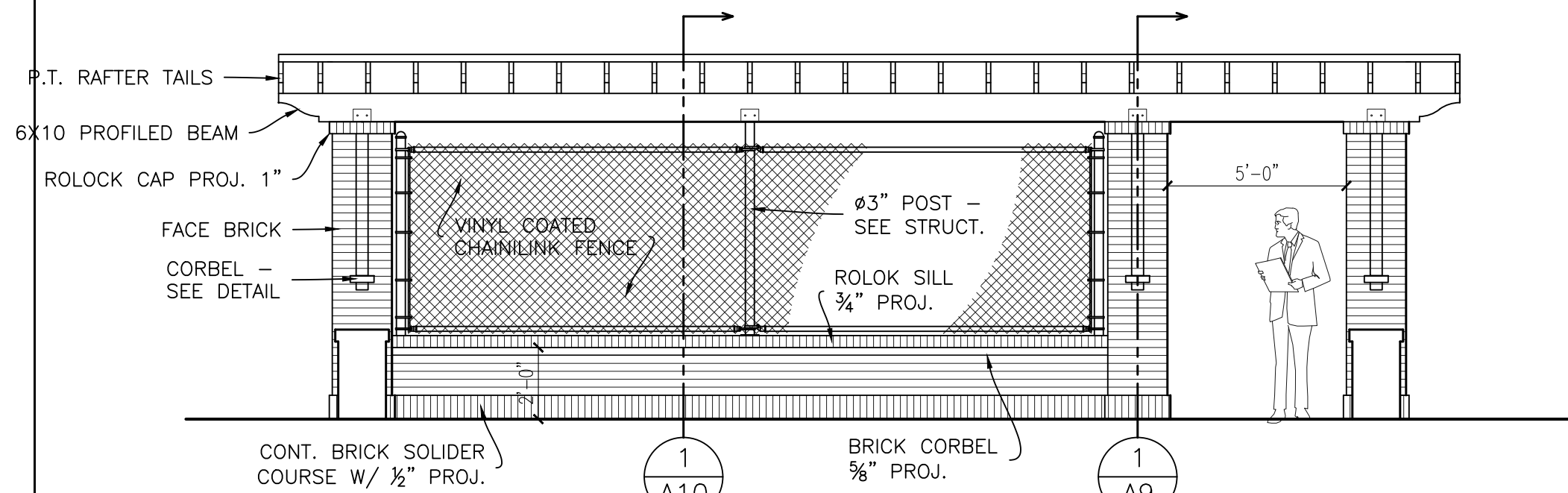
DUGOUT LEFT SIDE ELEVATION
SCALE: 1/4" = 1'-0"



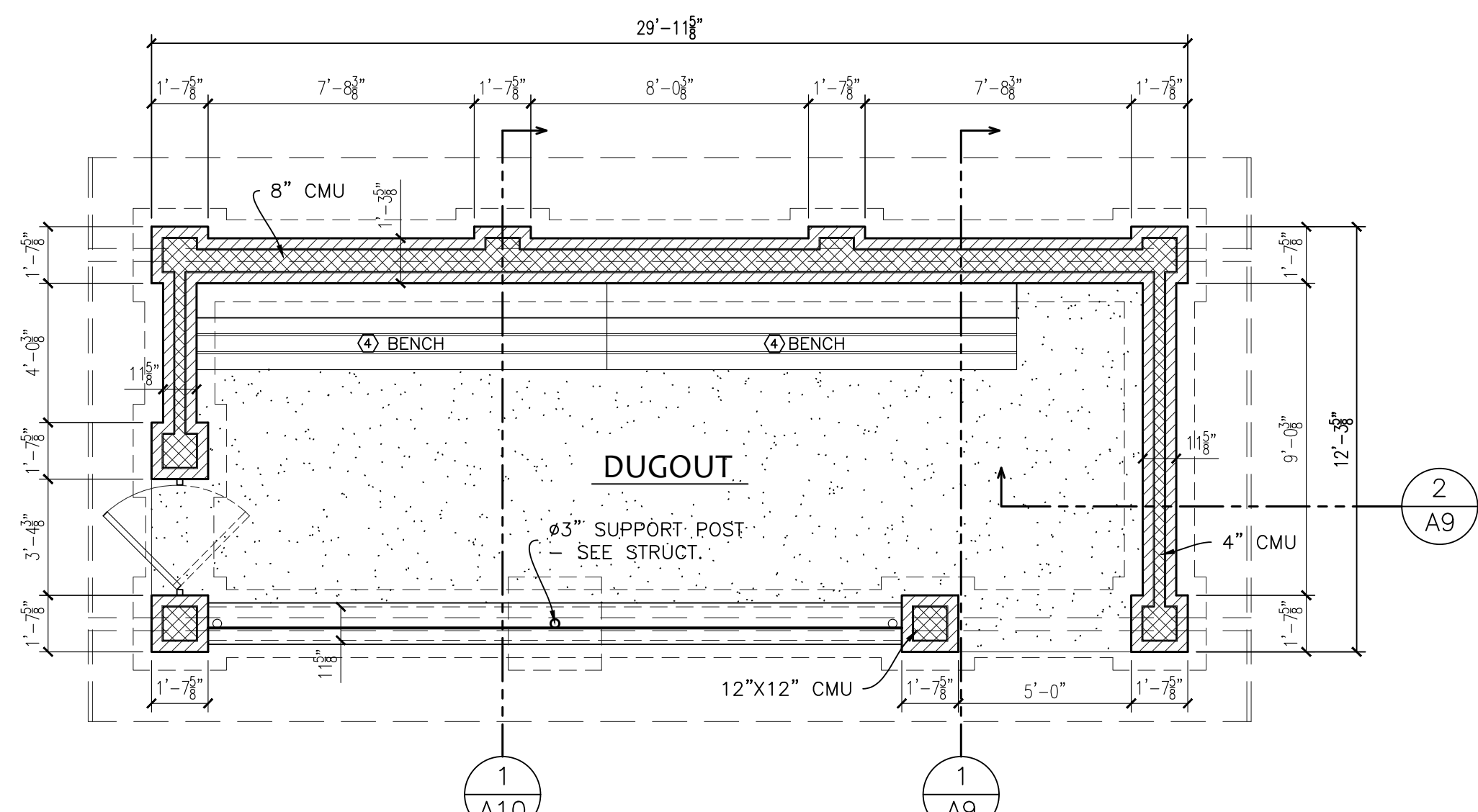
DUGOUT RIGHT SIDE ELEVATION
SCALE: 1/4" = 1'-0"



DUGOUT REAR ELEVATION
SCALE: 1/4" = 1'-0"

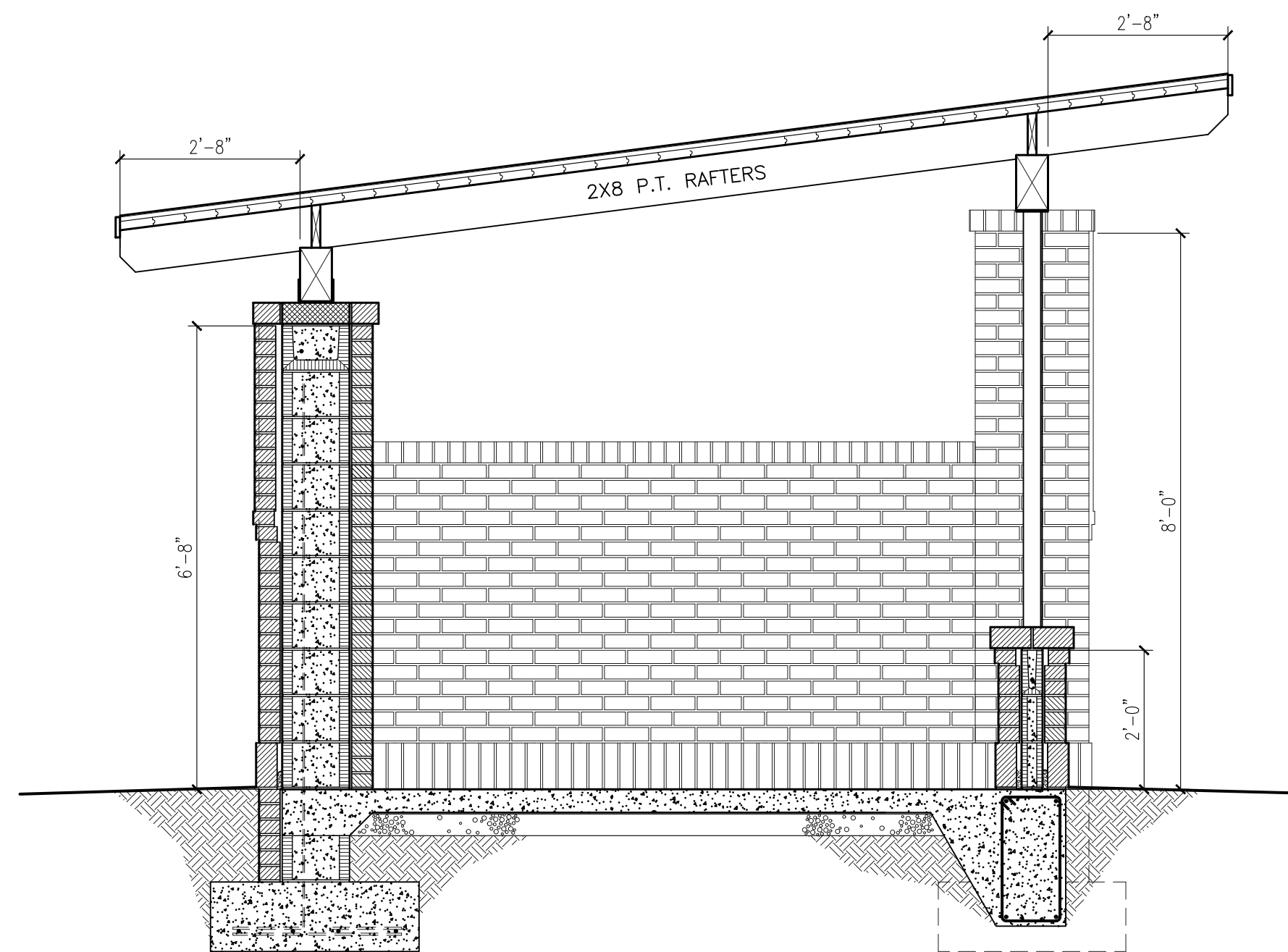


DUGOUT FRONT ELEVATION
SCALE: 1/4" = 1'-0"

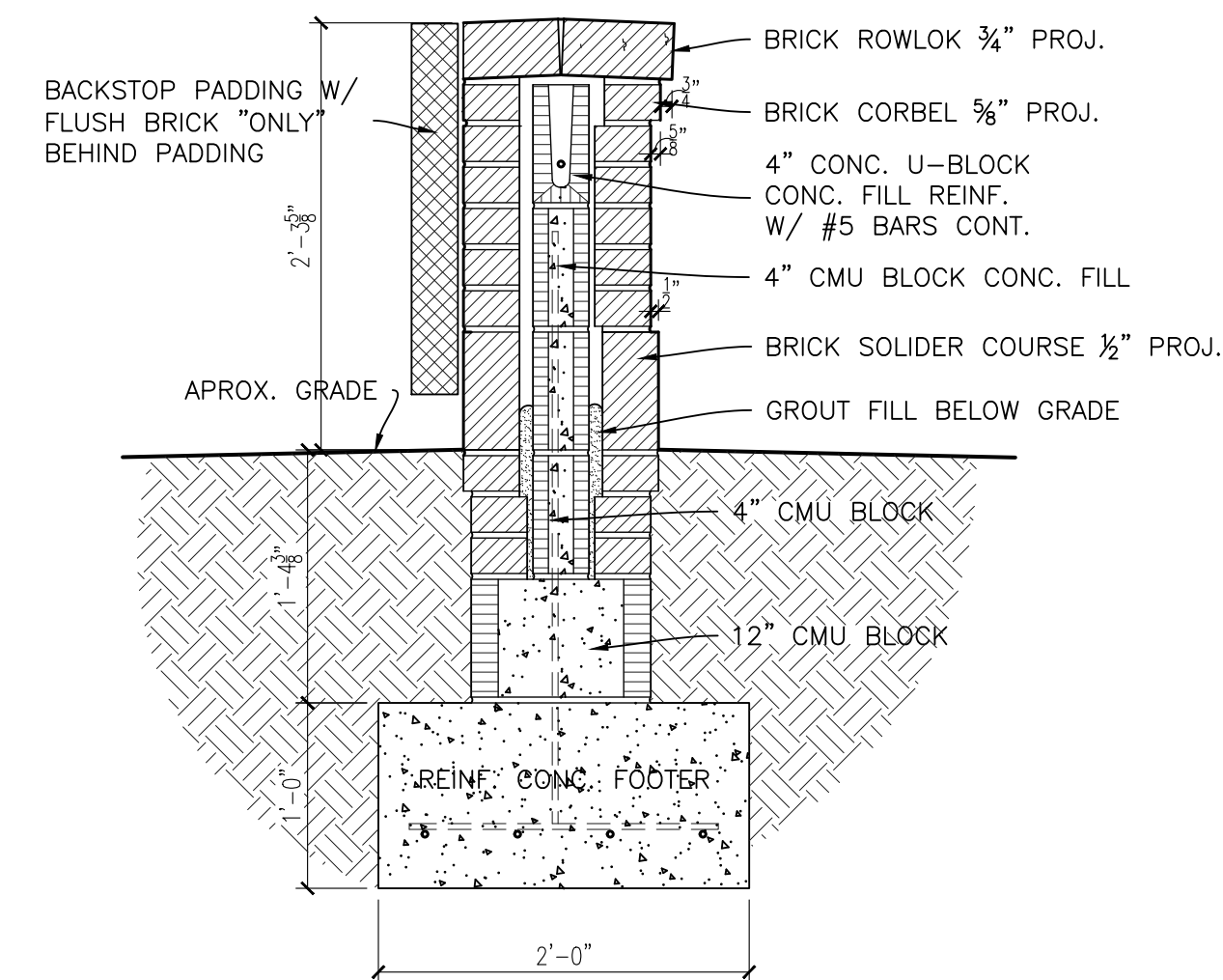


DUGOUT PLAN
SCALE: 1/4" = 1'-0"

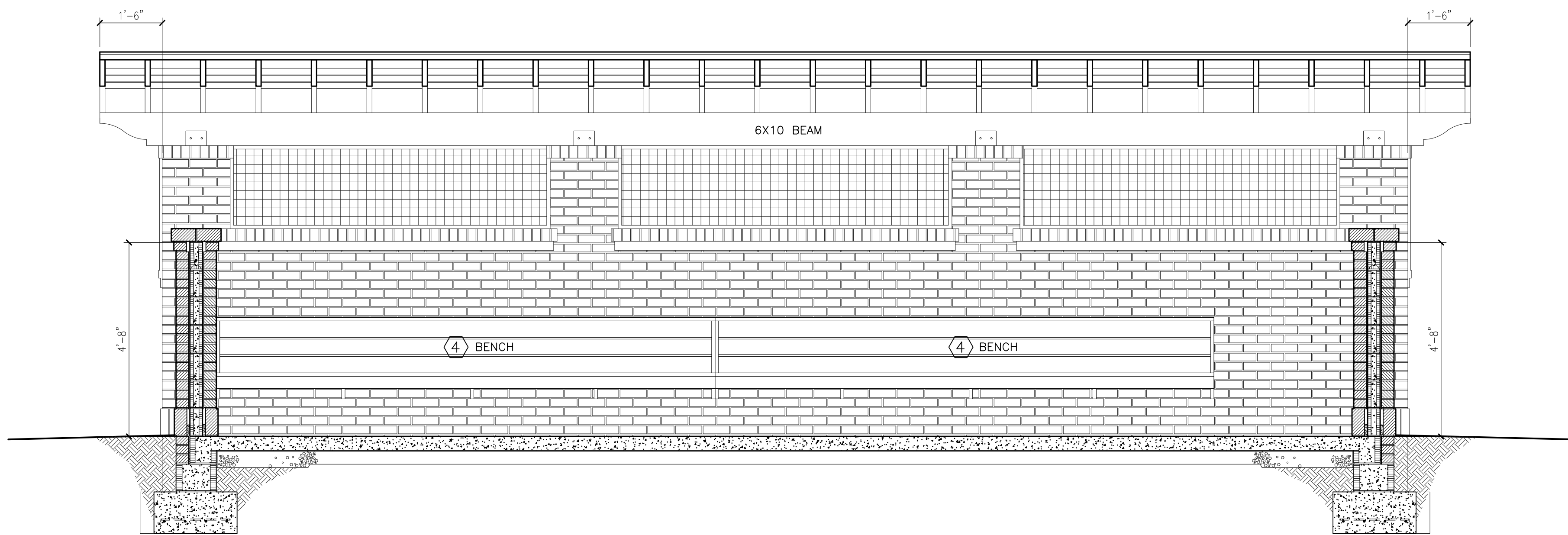
ADDITIVE ALTERNATE
ALTERNATE



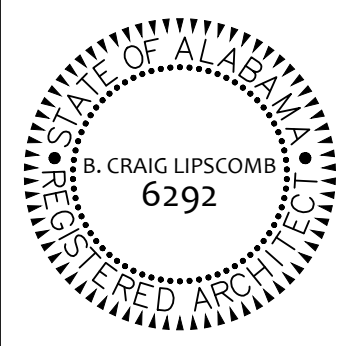
CROSS SECTION at PIER
SCALE: 1/2" = 1'-0"



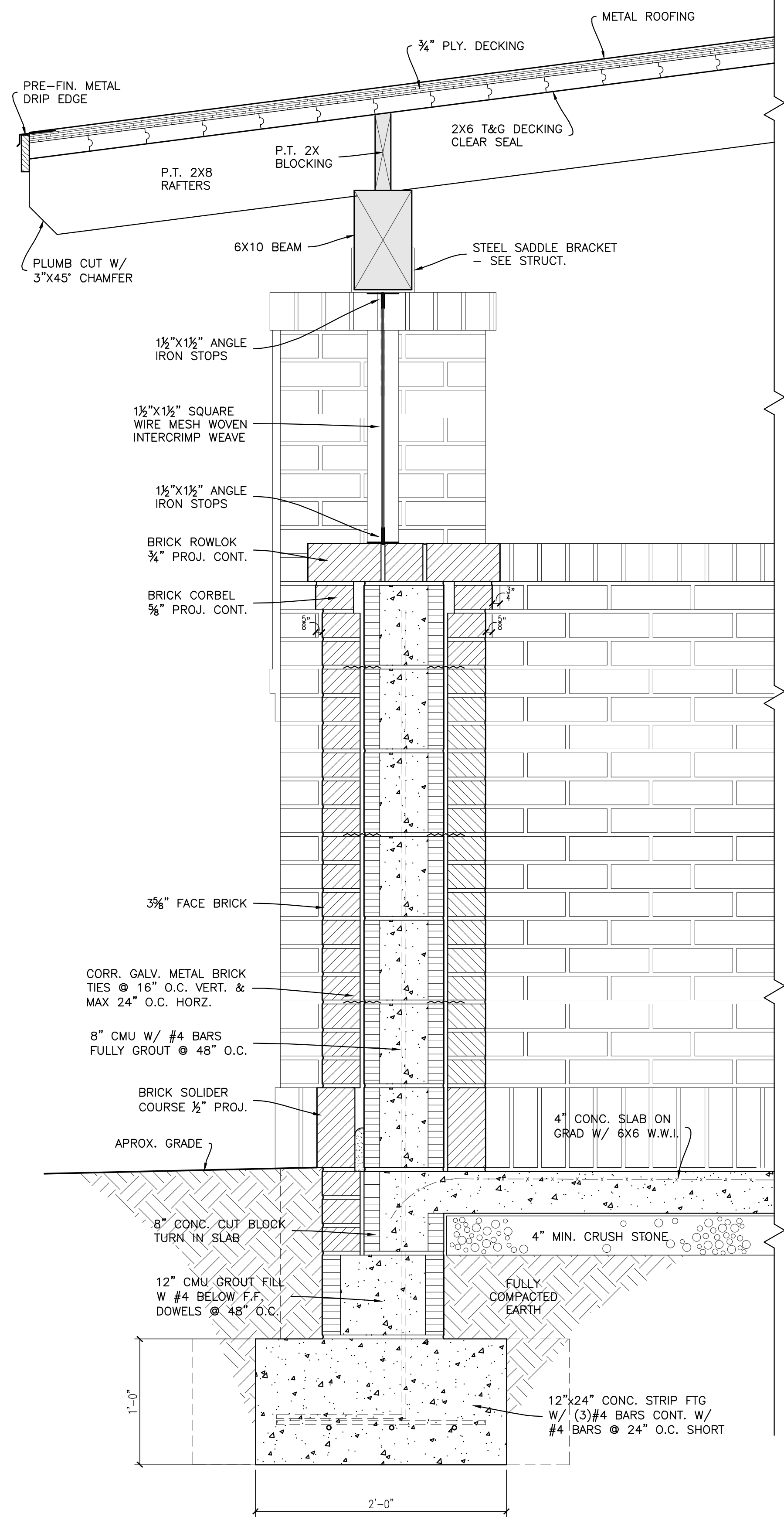
SECTION thru BACKSTOP
SCALE: 1" = 1'-0"



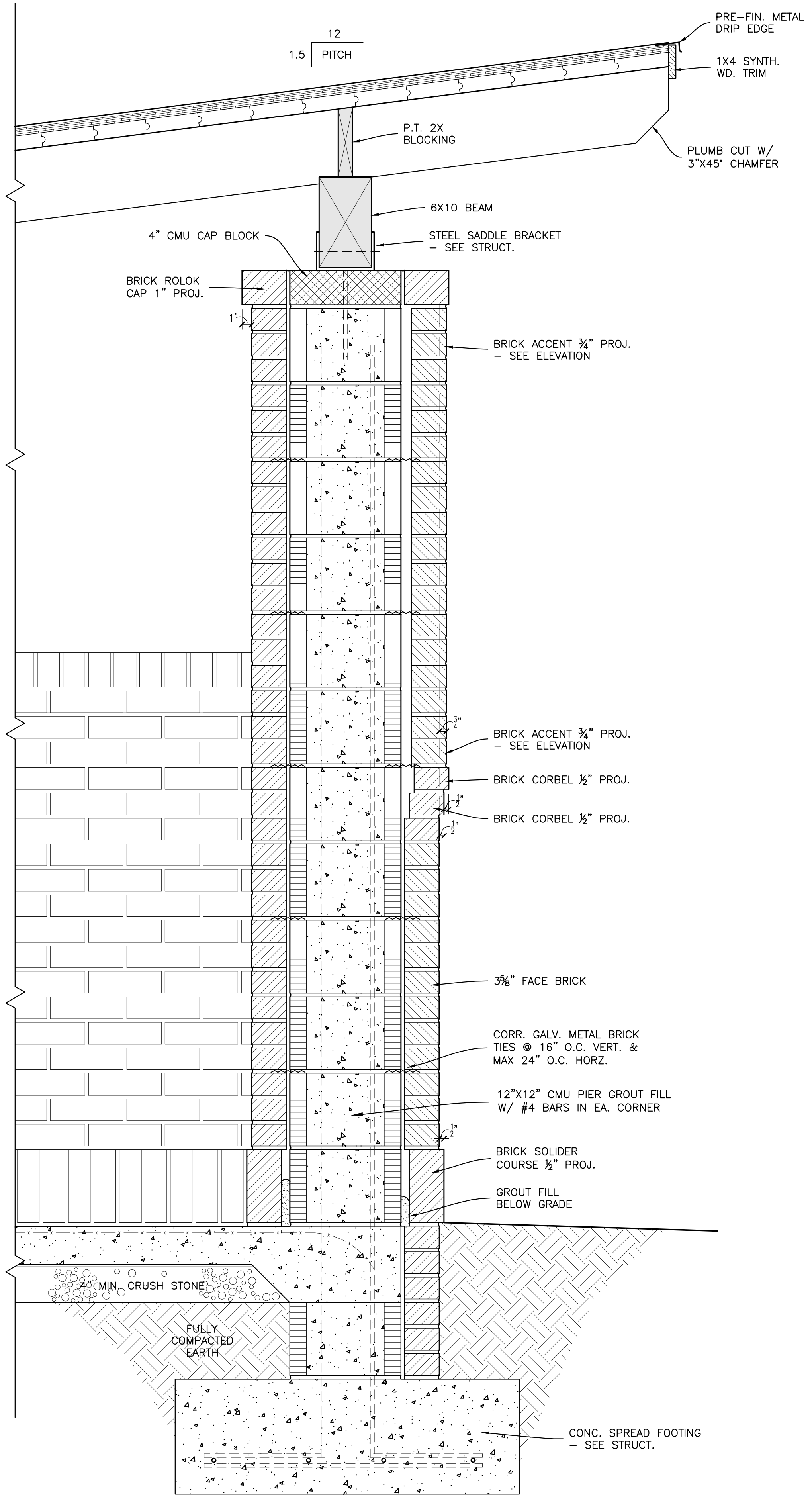
LONGITUDINAL CROSS SECTION
SCALE: 1/2" = 1'-0"



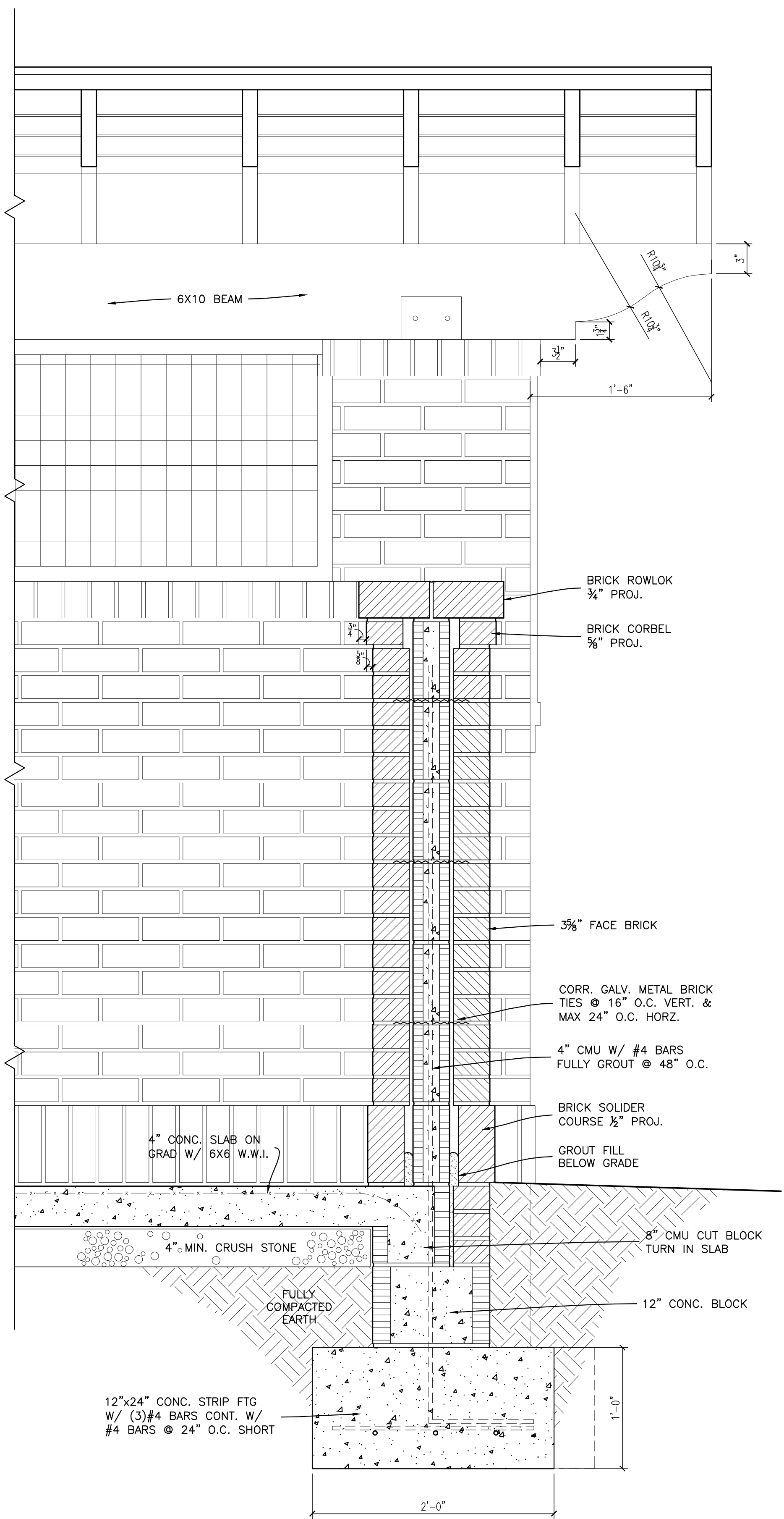
DUGOUT PLAN AND ELEVATIONS
SCALE: AS SHOWN
DATE: NOV. 5, 2021
REVISED



1 SECTION at SUPPORT PIER
 SCALE: 1 1/2" = 1'-0"

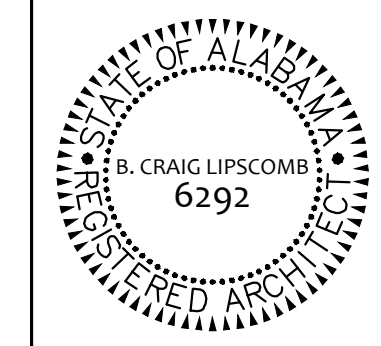


2 SECTION at SIDE WALL
 SCALE: 1 1/2" = 1'-0"



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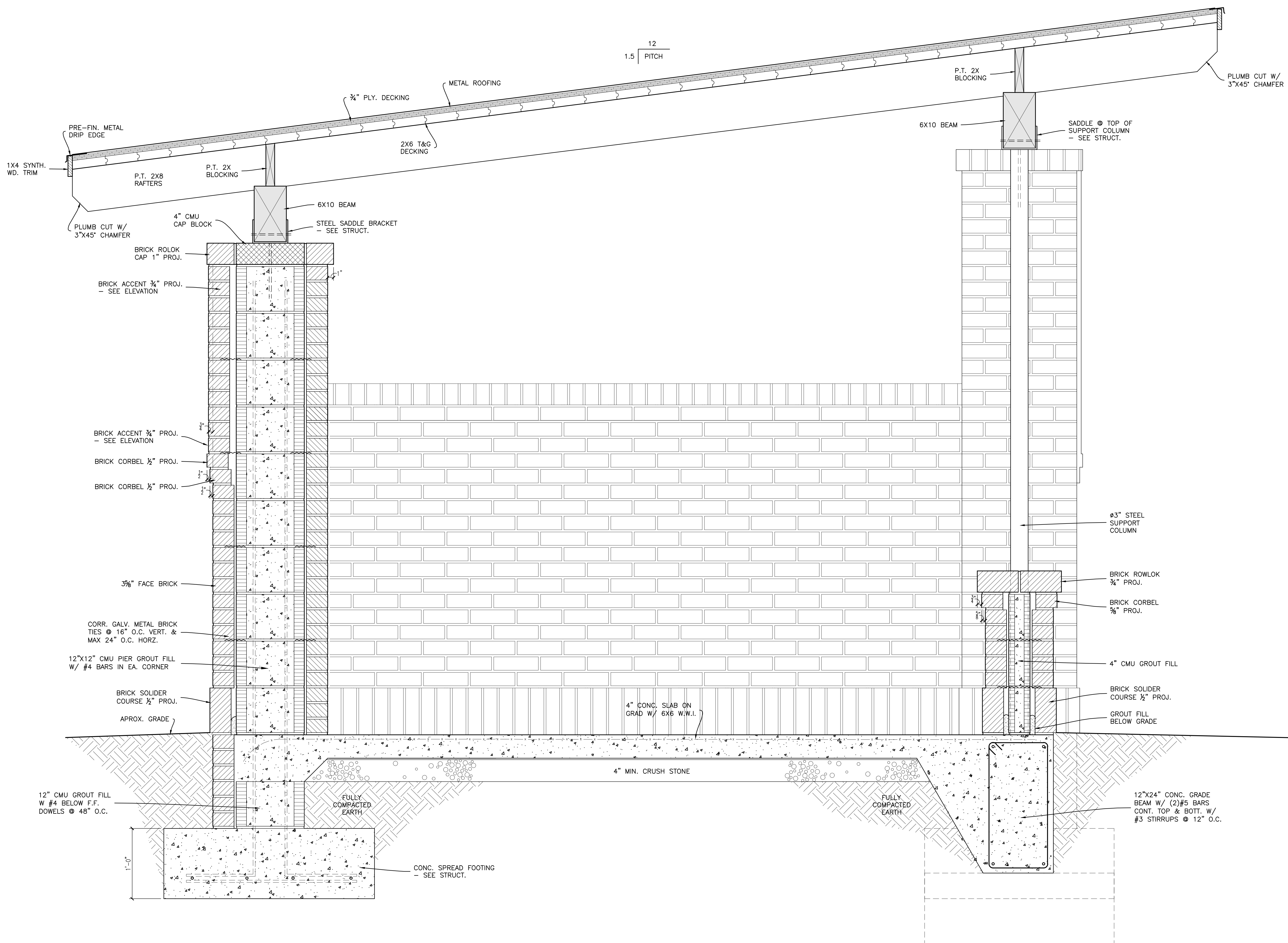
A SPORTS PARK for the CITY OF GADSDEN
 GADSDEN, ALABAMA



DUGOUT DETAILS	
SCALE:	AS SHOWN
DATE:	NOV. 5, 2021
REVISED:	
PROJECT NO:	2020C
A9 of 12	
SHEET NO.	

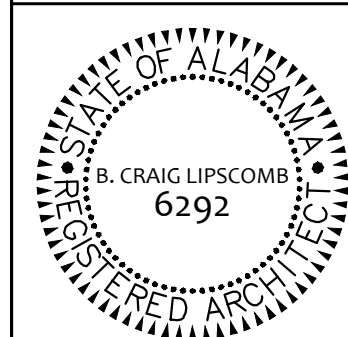
ALTERNATE

ALTERNATE



1 CROSS SECTION at KNEE WALL
 A10 SCALE: 1 1/2" = 1'-0"

ALTERNATE



DUGOUT SECTION

SCALE: AS SHOWN

DATE: NOV. 5, 2021

REVISED

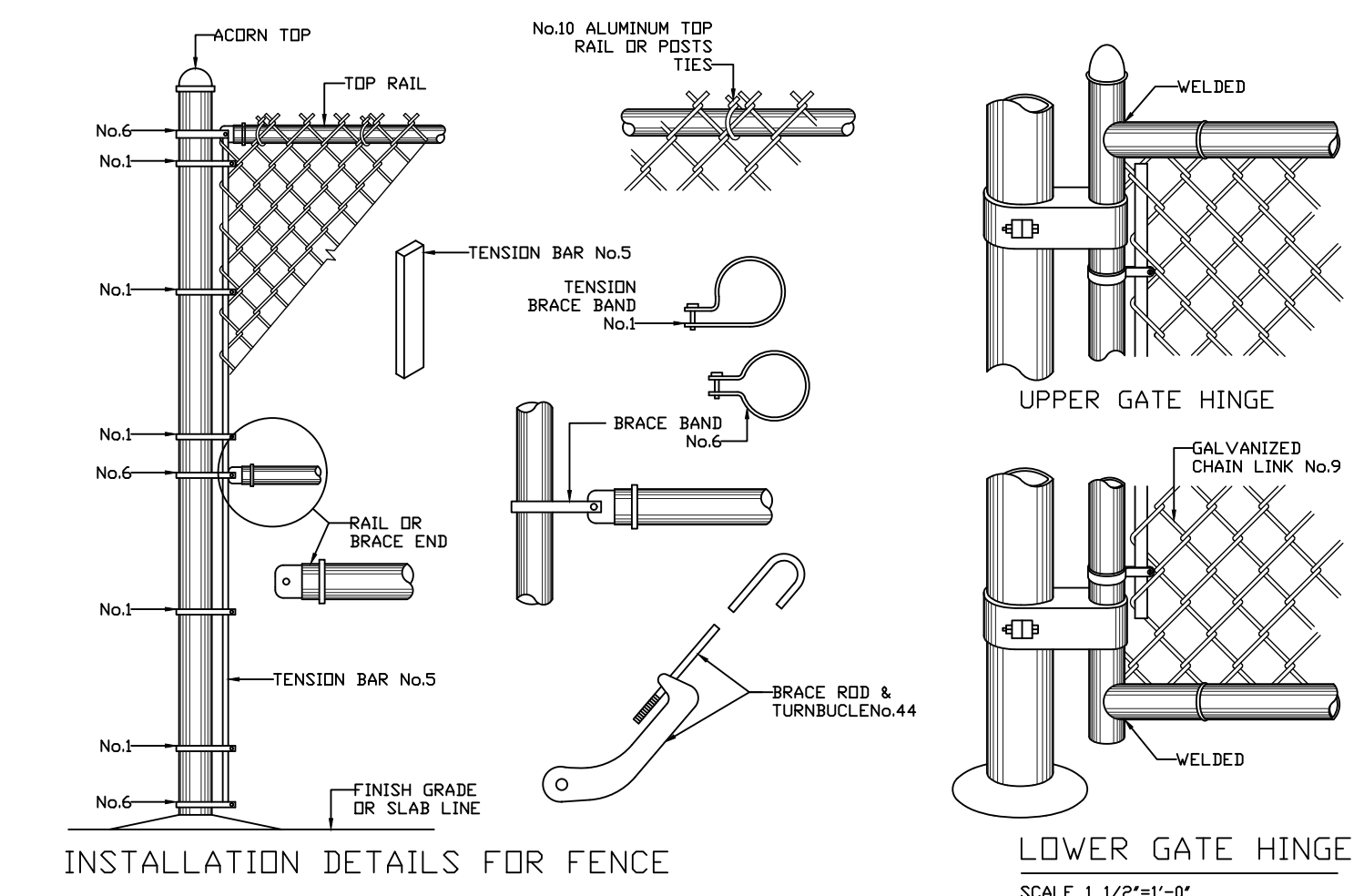
PROJECT NO: 2020C

A10 of 12

SHEET NO.

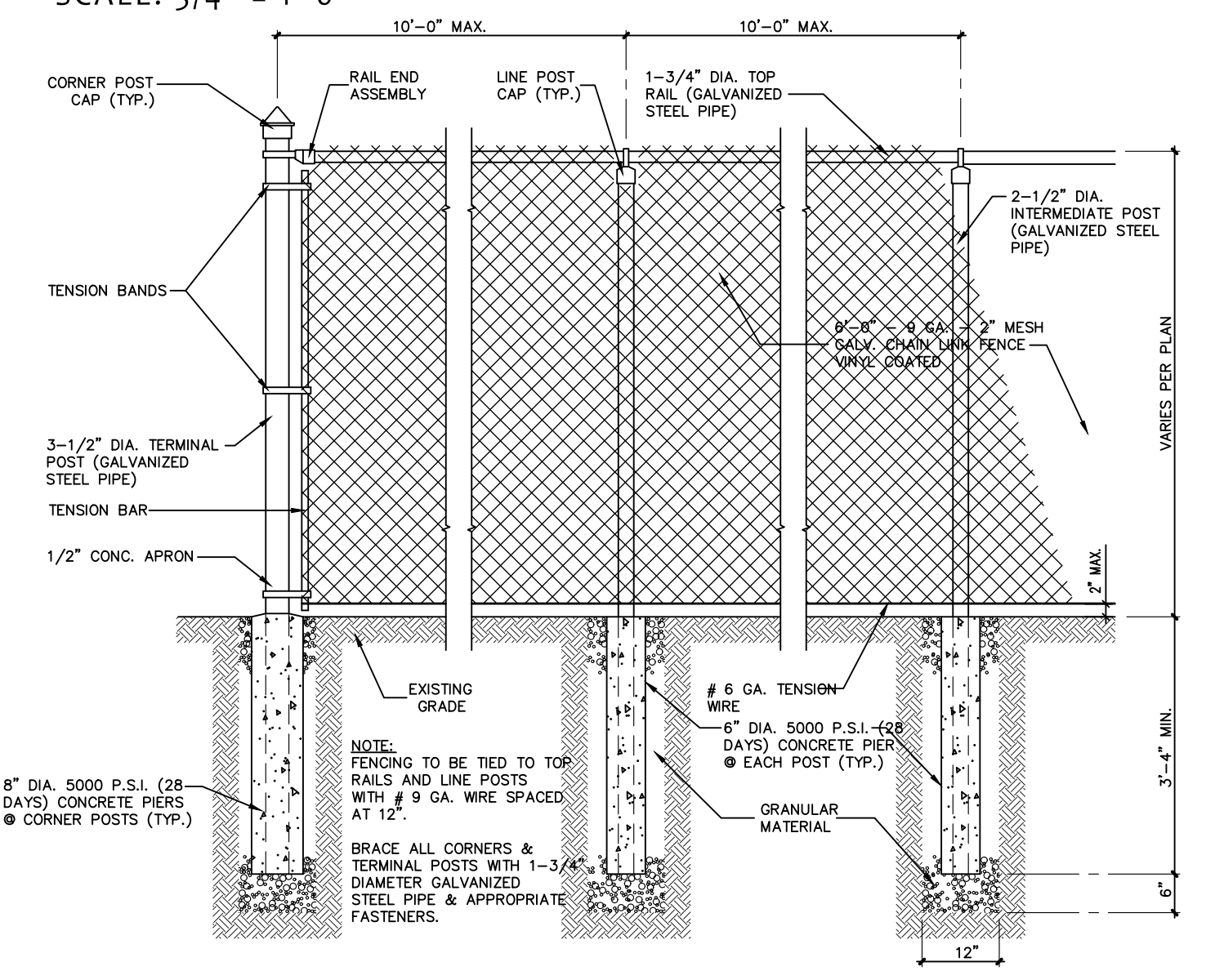
EQUIPMENT SCHEDULE				
KEY	DESCRIPTION	*MANUFACTURER	MDL. NUMBER	**QUANTITY/LOCATION
#1	OBSCURE FENCE NETTING	FENCESCREEN	CB750 - BLACK	BY OWNER
#2	BACKSTOP NETTING SYSTEM	REFER TO CIVIL	--	--
#3	FOUL POLE	ALUMINUM ATHLETIC EQUIPMENT	AFP-22-W	(2) PER FIELD
#4	DUGOUT BENCHES - 12'	--	--	BY OWNER
#6	BACKSTOP WALL PADS	ALUMINUM ATHLETIC EQUIPMENT	WP24/3	BY OWNER
#7	HOME PLATE	ALUMINUM ATHLETIC EQUIPMENT	BH87	(1) PER FIELD
#8	BASES	ALUMINUM ATHLETIC EQUIPMENT	M700	(3) PER FIELD
#9	PITCHING RUBBER	ALUMINUM ATHLETIC EQUIPMENT	BH81	(1) PER FIELD
#10	BLEACHERS	BELSON OUTDOORS	BNR-324	(2) PER FIELD
#11	4 SEAT PICNIC TABLES	BELSON OUTDOORS	WDTS-4F-ER-SFP EMBOSSED MAHOAGANY & BLACK	BY OWNER
#12	3 SEAT PICNIC TABLES	BELSON OUTDOORS	WDTS-3F-ER-SFP EMBOSSED MAHOAGANY & BLACK	BY OWNER
#13	FENCE TOPPER CAP	BELSON OUTDOORS	FT1900-50YL	FULL LENGTH OUTFIELD FENCE
#14	SHADE SAIL - ADD. ALT.	SHADE SYSTEM INC.	SINGLE CANTILEVER	2 PER FIELD

* EQUALS PERMITTED PER SPEC ** GC RESPONSIBLE FOR QUANTITIES AND LOCATIONS AS INDICATED ON PLAN.



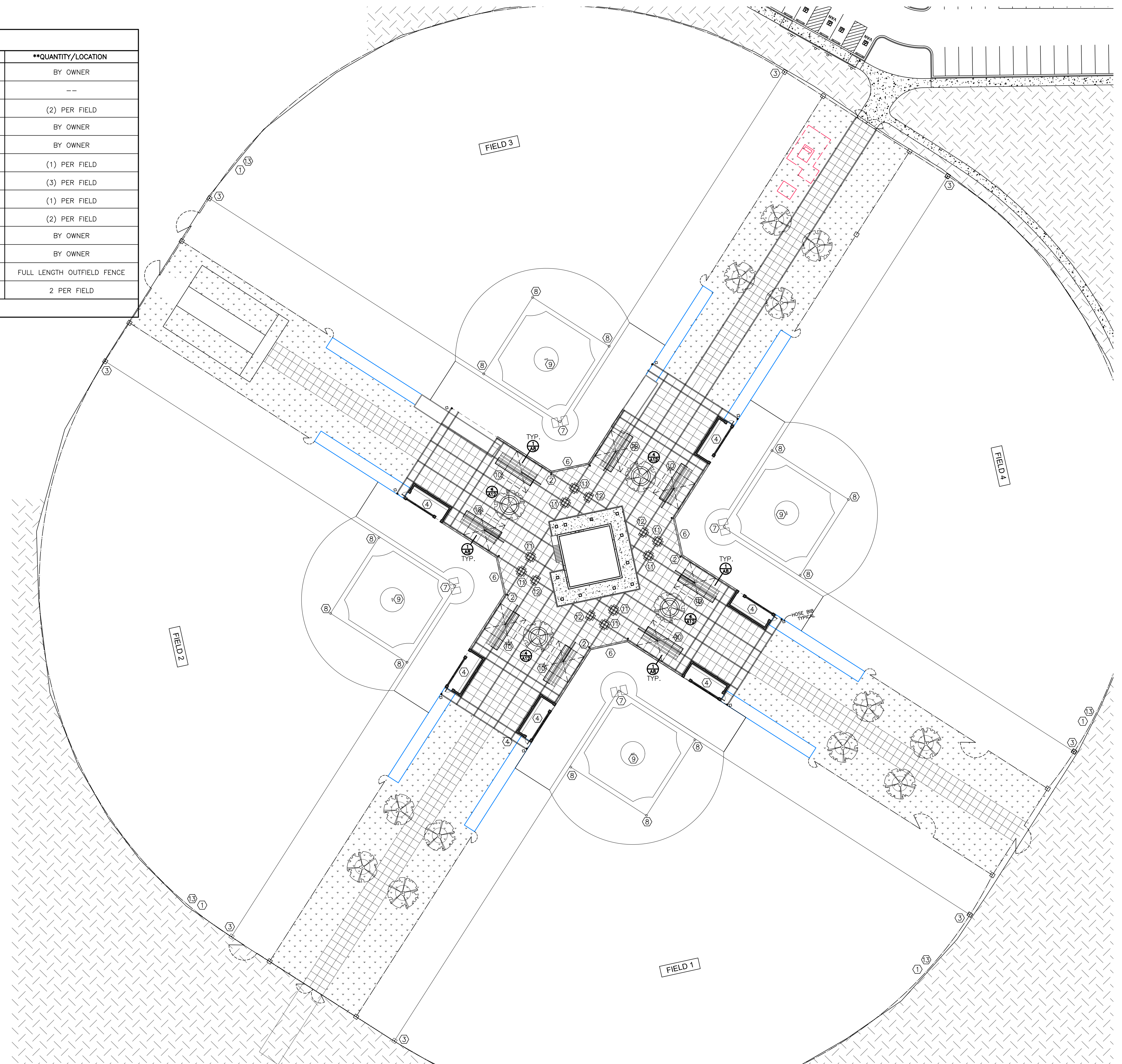
CHAIN LINK FENCE TYP. HARDWARE

SCALE: 3/4" = 1'-0"



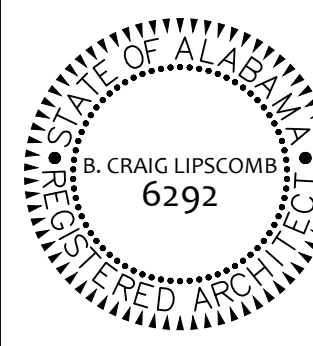
CHAIN LINK FENCE DETAILS

SCALE: 1/2" = 1'-0"



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A SPORTS PARK for the CITY OF GADSDEN
GADSDEN, ALABAMA



EQUIPMENT SCH.
SCALE: AS SHOWN
DATE: NOV. 5, 2021
REVISED

PROJECT NO: 2020C
A11 of 12
SHEET NO.

PLANT and HARDSCAPE LEGEND / SCHEDULE					
SYMB.	ABB.	BOTANICAL NAME	COMMON NAME	DESCRIPTION	SIZE (min.)
TREES					
	RB	Betula nigra "Heritage"	"Heritage" River Birch	Exfoliating Bark	10 Feet min.
SHRUBS					
GRASSES AND GRAVELS					
	TB	Tifway 419 Bermuda Sod	See notes		
	SF	Seed, Fertilizer, & Mulch		Seed, Fertilizer, & Mulch	
	HS	Hydroseeding	See notes	Grass/Wildflower Blend	
HARDSCAPE					
		Concrete - See Civil for Additional	Light Broom Finish		
		Stamped Concrete - See Civil for Additional	Stamped Brick Pattern per Architect	Pattern perpendicular to boundaries	Stacked Bond 4"x8"

Typical metal landscape edging
 Typical vinyl coated chain link fence

NOTES

Sodding:

Prior to laying sod, clear the soil surface of trash, debris, roots, branches, stones, and clods larger than 2" in diameter. Fill or level low spots to avoid standing water. Rake or harrow the site to achieve a smooth and mowable final grade. Apply appropriate soil amendments prior to final disking. Complete soil preparation by disking, chiseling or other appropriate means and then rolling or cultipacking to firm the soil. Limit the use of heavy equipment on the area to be sodded, particularly when the soil is wet, as this may cause excessive compaction and make it difficult for the sod to penetrate the soil and develop the root system that it should attain.

Test soil to determine the requirements for lime and fertilizer. Soil tests may be conducted by Auburn University Soil Testing Laboratory or other laboratories that make recommendations based on soil analysis. When soil test recommendations are unavailable, the following soil amendments may be sufficient:

- Agricultural limestone at a rate of 2 tons per acre (90 lbs per 1000 sq. ft.). Other liming materials that may be selected should be provided in amounts that provide equal value to agricultural lime.
- Fertilizer at a rate of 1000 lbs per acre (25 lbs per 1000 sq. ft.) of 10-10-10.
- Equivalent nutrients may be applied with other fertilizer formulations. The soil amendments should be spread evenly over the treatment area and incorporated into the top 6" of soil by disking, chiseling or other effective means. If topsoil is applied, follow specifications given in the Topsoiling practice. Minor surface smoothing may be necessary after incorporation of soil amendments.

Hydroseeding:

Prepare a friable seedbed with tillage to a depth of at least 6". Break up or remove large clods, alleviate compaction, and smooth and firm the soil into a uniform surface. Fill in or level depressions that can collect water. Ensure favorable pH range of 6.0-6.5. Establish seedbed requirements, soil amendments, mulch and maintenance as typically required by ALDOT. Provide irrigation as required. One year after installation, inspect for areas of failure, make necessary repairs and replant as needed.

Hydroseed with Common Bermudagrass if from April 1 through July 1 at the rate of 150 lbs. per acre. Hydroseed with Tall Fescue if from September 1 through November 1 at the rate of 500 lbs. per acre. In addition to the grass seed, add to permanent hydroseeding, 50 lbs. per acre of Southeast Wildflower Mix by "American Meadows" or equal. If finish grading occurs outside these dates, Hydroseed with Annual Ryegrass at the rate of 50 lbs. per acre to prevent erosion. At first available opportunity to sow with permanent grassing, re-prepare seedbed as previously described and Hydroseed as previously described. Do not mix ryegrass with permanent grass seeds.

Contractor has option to provide sprigged Hybrid Bermudagrass per ALDOT specs in lieu of hydroseeding. Wildflower seed mix requirement remains.

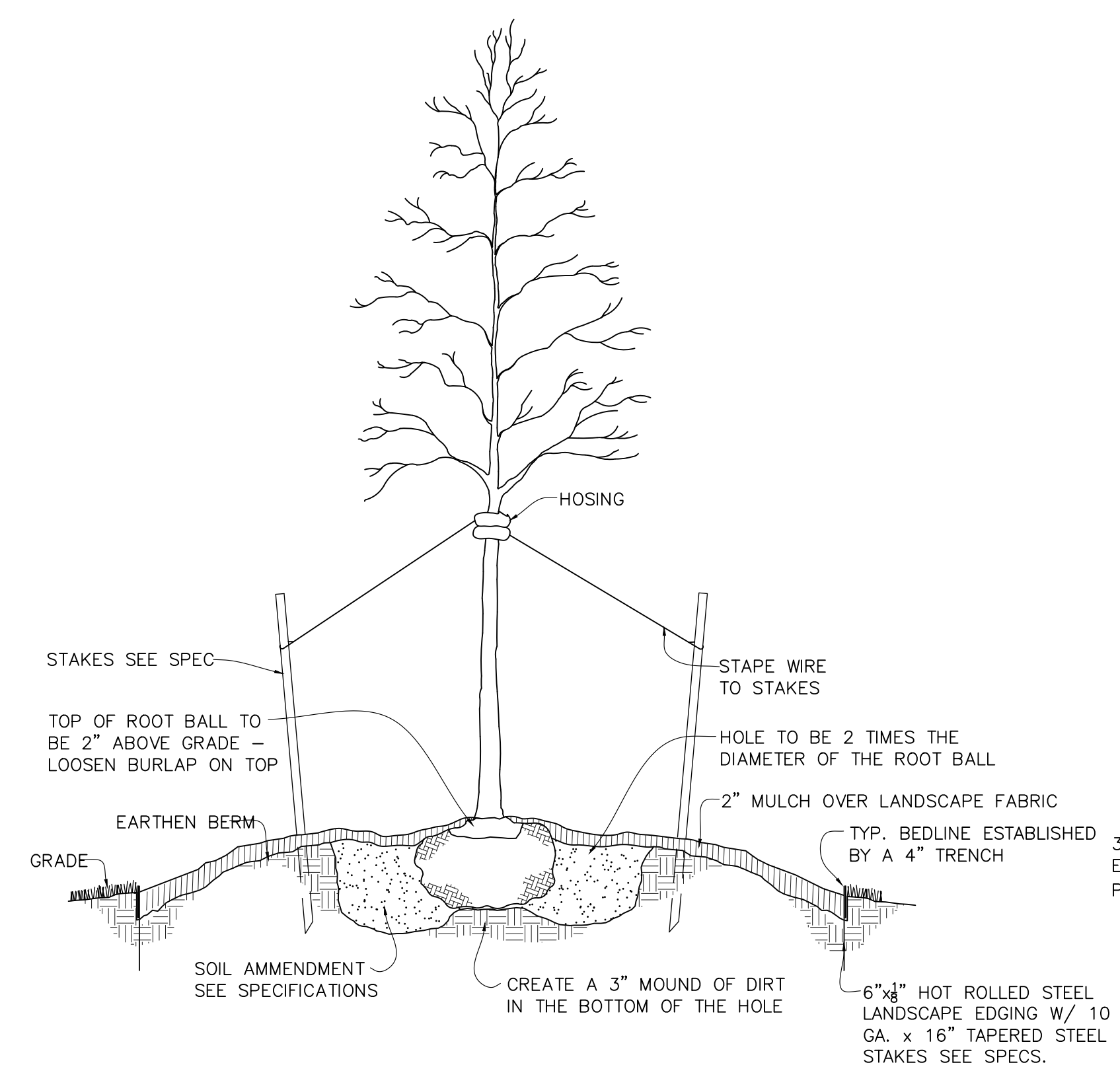
General:

Unless stated otherwise, mulch full extent of planting bed to landscape edging, curb or walk. Mulch per spec.

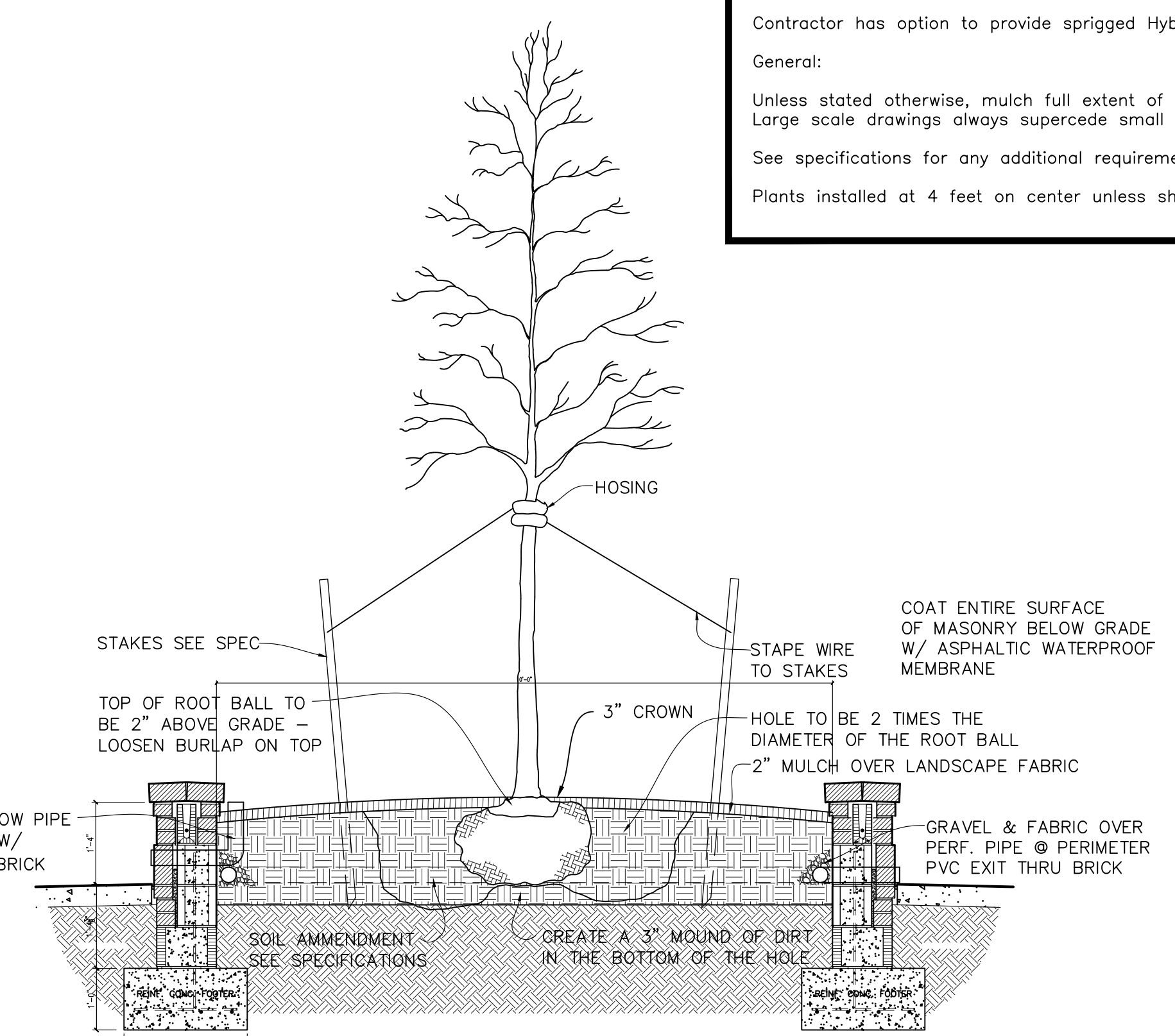
Large scale drawings always supercede small scale drawings.

See specifications for any additional requirements.

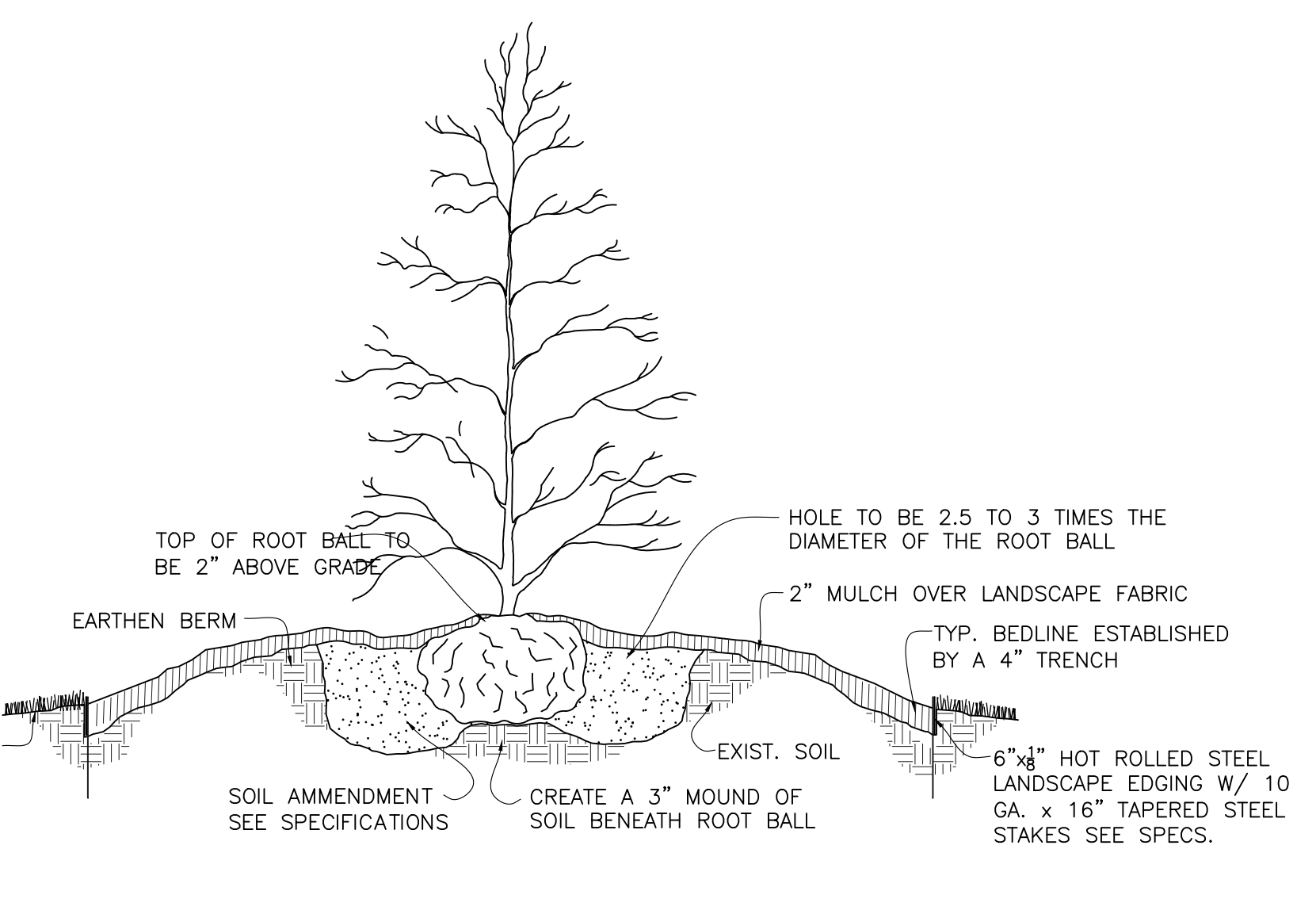
Plants installed at 4 feet on center unless shown otherwise.



3 TREE PLANTING DETAIL
 A12 SCALE: 1/2"=1'-0"



4 TREE PLANTING DETAIL thru PLANTER
 A12 SCALE: 1/2"=1'-0" SIM. TO 1/A8



5 SHRUB PLANTING BED DETAIL
 A12 SCALE: 1/2"=1'-0"

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A SPORTS PARK for the CITY OF GADSDEN
 GADSDEN, ALABAMA



SITE DETAILS	
SCALE:	AS SHOWN
DATE:	NOV. 5, 2021
REVISED	
PROJECT NO:	2020C

LEGEND			
GENERAL		UTILITIES	
BENCHMARK		POWER POLE	
PROPERTY CORNER		LIGHT POLE	
CONCRETE MARKER		ANCHOR	
PROPERTY LINE		STUB (POWER)	
LOT LINE		ELECTRIC TRANSFORMER	
SETBACK LINE		ELECTRIC METER	
EASEMENT LINE		OVERHEAD ELECTRIC LINE	
FENCE LINE		BURIED ELECTRIC LINE	
CONSTRUCTION LIMITS		TELEPHONE MANHOLE	
SIGN		TELEPHONE PEDESTAL	
MAILBOX		OVERHEAD TELECOM CABLE	
TREE		BURIED TELECOM CABLE	
WOODLINE		BURIED FIBER OPTIC CABLE	
STREAM		GAS METER	
ASPHALT		GAS VALVE	
CONCRETE		GAS REGULATOR	
AGGREGATE		GAS LINE	
BODY OF WATER		WATER METER	
USACE JURISDICTIONAL WETLAND		WATER VALVE	
OUTFIELD PLAYING SURFACE		FIRE HYDRANT	
INFIELD PLAYING SURFACE		WATER LINE	
EARTHWORK & GRADING		SANITARY SEWER MANHOLE	
PROPOSED CONTOUR MAJOR		SANITARY SEWER CLEANOUT	
PROPOSED CONTOUR MINOR		SANITARY SEWER GRAVITY LINE	
EXISTING CONTOUR MAJOR		SANITARY SEWER FORCE MAIN	
EXISTING CONTOUR MINOR		AIR / VACUUM VALVE	
PROPOSED SPOT ELEVATION		PROPOSED ITEMS SHOWN IN BLACK. EXISTING ITEMS SHOWN IN GRAY.	
STORM DRAINAGE			
STORM INLET			
SLOPED PAVED HEADWALL			
STORM PIPE			
CHANNEL FLOW LINE			

GENERAL NOTES:

- CDG ENGINEERS & ASSOCIATES, INC. (CDG) SHALL NOT HAVE AUTHORITY OVER THE SITE OR BUILDING CONTRACTOR'S WORK OR RESPONSIBILITIES. CDG IS NOT RESPONSIBLE FOR SITE SAFETY PROCEDURES OR METHODS OF CONSTRUCTION.
- ALL EXISTING IMPROVEMENTS SHALL REMAIN UNLESS SPECIFICALLY NOTED HEREON. UPON FIELD VERIFICATION, IF ANY OF THESE IMPROVEMENTS CONFLICT WITH PROPOSED DESIGN, CONSULT WITH CDG PRIOR TO REMOVAL.
- CDG SHALL NOT BE RESPONSIBLE FOR ERRORS AND OMISSIONS RESULTING FROM DESIGN MODIFICATIONS MADE AFTER THE RECORD DATE OF THESE PLANS SHOWN HEREON. ADJUSTMENTS TO THESE PLANS MAY BE NECESSARY, PER OWNER REQUEST.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PURCHASE OF A CONTRACTOR'S LICENSE AND BUSINESS MODIFICATIONS MADE AFTER THE RECORD DATE OF THESE PLANS SHOWN HEREON. ADJUSTMENTS TO THESE PLANS MAY BE NECESSARY, PER OWNER REQUEST.
- THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTATION OF PRE-EXISTING CONDITIONS PRESENT WITHIN AND ADJACENT TO THE CONSTRUCTION AREA. DOCUMENTATION OF EXISTING CONDITIONS SHALL CONSIST OF DATE-STAMPED VIDEO, PHOTOGRAPHS, AND WRITTEN RECORDS. COPIES OF ALL DOCUMENTATION SHALL BE DELIVERED TO THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES. DOCUMENTATION OF PRE-EXISTING CONDITIONS IS REQUIRED TO AVOID CLAIMS FOR DAMAGE TO PROPERTY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY HIS ACTIVITIES IN THE PROJECT AREA, WHETHER ON PUBLIC OR PRIVATE PROPERTY. DAMAGE SHALL BE REPAIRED TO PRE-CONSTRUCTION CONDITIONS OR BETTER, AND TO THE SATISFACTION OF THE ENGINEER AND LAND OWNER(S). REPAIRS SHALL BE MADE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITY IN THE PROJECT AREA WITH THE COUNTY, CITY, AND STATE, AS APPLICABLE.
- WHERE APPLICABLE, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING TRAFFIC CONTROL IN ACCORDANCE WITH THE REQUIREMENTS OF PART 6 OF THE MUTCD, LATEST EDITION, AND IN ACCORDANCE WITH ANY ATTACHED TRAFFIC CONTROL PLAN.
- UNLESS APPROVED IN ADVANCE BY THE ENGINEER, THE CONTRACTOR SHALL MAINTAIN ACCESS FOR THE TRAVELING PUBLIC AND EMERGENCY VEHICLES ALONG THE PAVED DRIVE. IF A ROAD CLOSURE IS ALLOWED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING SUCH CLOSURES WITH CITY AND EMERGENCY AGENCIES, IN ACCORDANCE WITH THOSE PARTIES' REQUIREMENTS.
- DRIVEWAYS WHICH MAY HAVE BEEN CUT OR OTHERWISE DAMAGED DURING THE CONSTRUCTION ACTIVITIES SHALL BE MAINTAINED IN A USABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL MAKE A REASONABLE EFFORT TO RE-OPEN DRIVEWAYS AS SOON AS POSSIBLE. IN NO CASE SHALL DRIVEWAYS BE CLOSED OVERNIGHT.
- ALL EQUIPMENT SHALL BE PARKED AND ALL MATERIALS SHALL BE STORED AT A LOCATION OUTSIDE THE PAVED DRIVE AND WITHIN CONSTRUCTION LIMITS.
- EXISTING DRAINAGE SYSTEMS SHALL REMAIN FULLY OPEN THROUGHOUT THE PROJECT DURATION. ANY DISTURBANCE OR DAMAGE TO EXISTING DRAINAGE SYSTEMS AND STRUCTURES SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AND THE CITY, COUNTY, AND/OR STATE AT NO ADDITIONAL COST TO THE OWNER.
- JOB SITE SHALL BE CLEANED ON A DAILY BASIS. THE CONTRACTOR SHALL RESTORE ALL AREAS, WHETHER PUBLIC OR PRIVATE, AS SOON AS PRACTICABLE FOLLOWING COMPLETION OF PARTICULAR CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL REPAIR ALL EXCAVATED AREAS, BACKFILLS, EMBANKMENTS, TRENCHES, AND DITCHES WHICH MAY HAVE SETTLED AT NO ADDITIONAL COST TO THE CLIENT UNTIL FINAL ACCEPTANCE OF THE PROJECT AND THROUGHOUT THE WARRANTY PERIOD.
- UNLESS NOTED ELSEWHERE, NO ADDITIONAL PAYMENT SHALL BE MADE FOR ROCK EXCAVATION AND REMOVAL. BIDDERS MAY MAKE THEIR OWN INVESTIGATION AS TO THE AMOUNT AND CHARACTER OF ROCK WHICH MAY NEED TO BE REMOVED. ALL COSTS FOR ROCK EXCAVATION SHALL BE CONSIDERED TO HAVE BEEN INCLUDED IN THE VARIOUS PAY ITEMS IN THE PROPOSAL. ANY INFORMATION PROVIDED CONCERNING THE DEPTH TO AND/OR CHARACTER OF ROCK PRESENT, IS PROVIDED FOR THE CONVENIENCE OF THE BIDDER AND CONTRACTOR AND SHALL NOT BE USED AS THE BASIS FOR CLAIMS FOR ADDITIONAL PAYMENT.

SITE NOTES:

- IT IS CONTRACTOR'S RESPONSIBILITY TO PROVIDE CONSTRUCTION LAYOUT AND GRADE STAKING. CDG WILL PROVIDE ELECTRONIC DESIGN FILES IN DWG FORMAT.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL BENCHMARKS AND PROPERTY CORNERS. ANY REPLACEMENT WILL BE AT THE CONTRACTOR'S EXPENSE.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS REQUIRED TO CONSTRUCT THIS PROJECT. ALL PERMITS MUST BE IN-HAND PRIOR TO CONSTRUCTION.
- ALL ADA ACCESSIBLE ROUTES, PARKING, RAMPS, CROSSWALKS, SIGNS, SYMBOLS, AND PAINTED ISLANDS MUST CONFORM TO THE LATEST ADA REQUIREMENTS.
- TOPOGRAPHICAL (HORIZONTAL ONLY) AND CONTROL (HORIZONTAL AND VERTICAL) SURVEYS PERFORMED BY CDG. EXISTING CONTOURS SHOWN HEREON WERE PROVIDED BY THE CITY OF GADSDEN ENGINEERING DEPARTMENT.

- ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
- ALL PAVEMENT MARKINGS SHALL CONFORM TO MUTCD SPECIFICATIONS.
- JURISDICTIONAL WETLANDS AND STREAMS SHOWN HEREON WERE DELINEATED BY SPECTRUM ENVIRONMENTAL, INC. PER REPORT DATED MARCH 2, 2020. DO NOT DISTURB JURISDICTIONAL WETLANDS AND STREAMS WITH CONSTRUCTION ACTIVITIES.
- NOTIFY ENGINEER IMMEDIATELY IF ANY ERRORS OR OMISSIONS ARE FOUND.
- HORIZONTAL AND VERTICAL DATUMS USED IN DESIGN ARE NAD83 AL STATE PLANE EAST AND NAVD88 RESPECTIVELY.
- COORDINATE LIGHT POLE LOCATIONS WITH ELECTRICAL PLANS TO AVOID CONFLICT WITH PROPOSED DESIGN. THE CONTRACTOR SHALL VERIFY THE POLE LOCATIONS WITH THE ENGINEER.

GRADING AND DRAINAGE NOTES:

- COORDINATE THE SEQUENCING OF ALL GRADING OPERATIONS WITH THE BMP PLAN.
- ALL SITE GRADING ACTIVITIES, INCLUDING MUCK AND BORROW EXCAVATION, SHALL BE COORDINATED AND APPROVED BY A REGISTERED GEOTECHNICAL ENGINEER.
- A GEOTECHNICAL EVALUATION AND REPORT WAS PERFORMED BY CDG ENGINEERS & ASSOCIATES AND IS INCLUDED IN THE PROJECT CONTRACT DOCUMENTS.
- NO GRADING OFF-SITE OR IN ANY ROAD RIGHT-OF-WAY WITHOUT PROPER APPROVALS.
- ALL GRADING ADJACENT TO EXISTING OR PROPOSED BUILDINGS SHALL BE SLOPED AWAY FROM THE STRUCTURES. THE CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM THE STRUCTURES. NOTIFY CDG OF ANY DISCREPANCIES.
- PROPOSED GRADES INDICATED ON THIS PLAN ARE TO FINISH GRADE. THE CONTRACTOR SHALL MAKE SUBGRADE ADJUSTMENTS FOR TOPSOIL, PAVEMENT, BUILDING PAD, ETC.
- WHERE CURB AND GUTTER IS PROPOSED, THE SPOT ELEVATIONS SHOWN ARE FOR THE TOP OF CURB.
- ALL HDPE PIPE SHALL BE DUAL WALL WITH A SMOOTH INTERIOR CORE HAVING AN n-VALUE OF 0.012.
- ALL 24" ROUND GRATES SHALL BE PEDESTRIAN ACCESSIBLE AND H-20 RATED.
- ALL 24" x 24" GRATES SHALL BE NON-PEDESTRIAN ACCESSIBLE AND H-20 RATED UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL CLEARLY IDENTIFY THE STORM SEWER PRIOR TO INSTALLATION OF THE FENCE.
- STORM DRAIN PIPES P31 - P33 SHALL CONNECT TO THE DOWNSPOUTS WITH A 6" TEE, RISER, AND BOOT CONNECTION. SEE ARCHITECTURAL PLANS FOR LOCATIONS.
- ALL EXCESS TOPSOIL SHALL BE STOCKPILED ON-SITE AND WILL BE REMOVED BY THE CITY OF GADSDEN.

UTILITY NOTES:

- NEITHER THE OWNER NOR THE ENGINEER MAKES ANY EXPRESSED OR IMPLIED GUARANTEE OF THE ACCURACY OF UTILITIES SHOWN OR ANY GUARANTEE THAT ALL UTILITIES LOCATED WITHIN THE CONSTRUCTION AREA ARE SHOWN HEREIN.
- THE CONTRACTOR SHALL COORDINATE ALL TIE-INS, CONNECTIONS, OUTAGES, AND VALVING OPERATIONS WITH THE UTILITY OWNER. THE CONTRACTOR SHALL GIVE 72 HOURS NOTICE TO THE UTILITY OWNER OF WHEN SUCH OPERATIONS ARE TO TAKE PLACE.
- THE CONTRACTOR SHALL COORDINATE WITH AND PROVIDE REASONABLE NOTICE TO RESIDENTS AND BUSINESSES OF UTILITY SERVICE OUTAGES PRIOR TO BEGINNING SUCH OPERATIONS. NO RESIDENT OR BUSINESS SHALL BE LEFT WITH OUT SERVICE OVERNIGHT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL UTILITY LOCATIONS WITH THE LOCAL UTILITIES. CONTACT WITH EACH UTILITY SHOULD BE MADE BEFORE ANY CONSTRUCTION BEGINS ON THIS PROJECT.

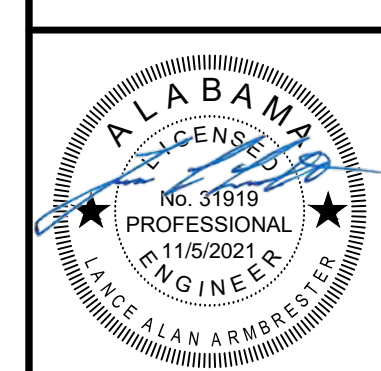
EROSION AND SEDIMENT CONTROL NOTES:

- SITE EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS, CODES, AND REGULATIONS.
- ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT NPDES GENERAL PERMIT FOR CONSTRUCTION ACTIVITIES TO BE PROVIDED BY OWNER PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MONITORING, INSPECTIONS, ETC. TO ENSURE THE OWNER THAT THE SITE IS AT ALL TIMES IN ACCORDANCE WITH ADEM RULES AND REGULATIONS.
- SEE BEST MANAGEMENT PRACTICES PLAN.



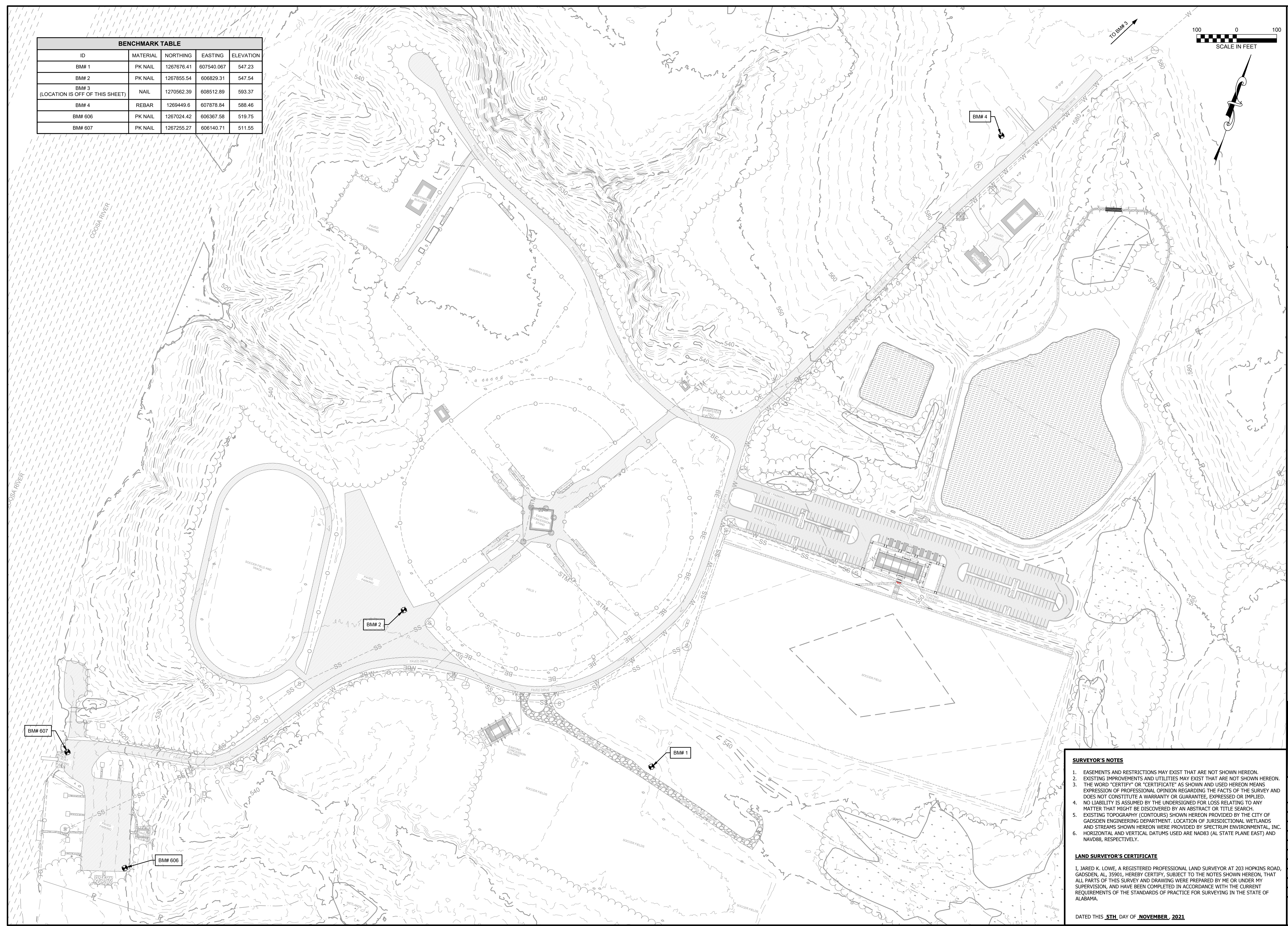
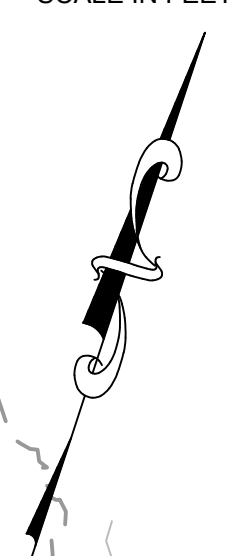
224 BROAD ST. SUITE 201
GADSDEN, AL 35901
P.O. BOX 20779 (35905)
PH: (256) 543-9431

NOTES AND LEGEND
GADSDEN SPORTS PARK - PHASE II
CITY OF GADSDEN
ETOWAH COUNTY, ALABAMA

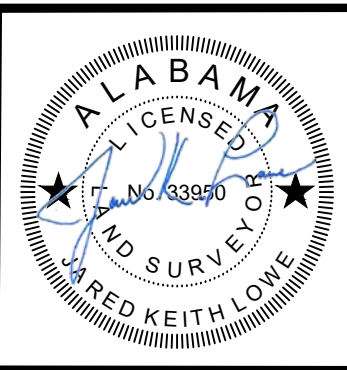


SCALE:	AS SHOWN
DATE:	NOVEMBER 2021
REVISED	
PROJECT NO:	R629120055
SHEET NO.	C-101

BENCHMARK TABLE				
ID	MATERIAL	NORTHING	EASTING	ELEVATION
BM# 1	PK NAIL	1267676.41	607540.067	547.23
BM# 2	PK NAIL	1267855.54	606829.31	547.54
BM# 3 (LOCATION IS OFF OF THIS SHEET)	NAIL	1270562.39	608512.89	593.37
BM# 4	REBAR	1269449.6	607878.84	588.46
BM# 606	PK NAIL	1267024.42	606367.58	519.75
BM# 607	PK NAIL	1267255.27	606140.71	511.55



EXISTING CONDITIONS MAP AND CONTROL SURVEY
GADSDEN SPORTS PARK - PHASE II
CITY OF GADSDEN
ETOWAH COUNTY, ALABAMA



- SURVEYOR'S NOTES**
- EASEMENTS AND RESTRICTIONS MAY EXIST THAT ARE NOT SHOWN HEREON.
 - EXISTING IMPROVEMENTS AND UTILITIES MAY EXIST THAT ARE NOT SHOWN HEREON.
 - THE WORD "CERTIFY" OR "CERTIFICATE" AS SHOWN AND USED HEREON MEANS EXPRESSION OF PROFESSIONAL OPINION REGARDING THE FACTS OF THE SURVEY AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE, EXPRESSED OR IMPLIED. NO LIABILITY IS ASSUMED BY THE UNDERSIGNED FOR LOSS RELATING TO ANY MATTER THAT MIGHT BE DISCOVERED BY AN ABSTRACT OR TITLE SEARCH.
 - EXISTING TOPOGRAPHY (CONTOURS) SHOWN HEREON PROVIDED BY THE CITY OF GADSDEN ENGINEERING DEPARTMENT. LOCATION OF JURISDICTIONAL WETLANDS AND STREAMS SHOWN HEREON WERE PROVIDED BY SPECTRUM ENVIRONMENTAL, INC.
 - HORIZONTAL AND VERTICAL DATUMS USED ARE NAD83 (AL STATE PLANE EAST) AND NAVD88, RESPECTIVELY.

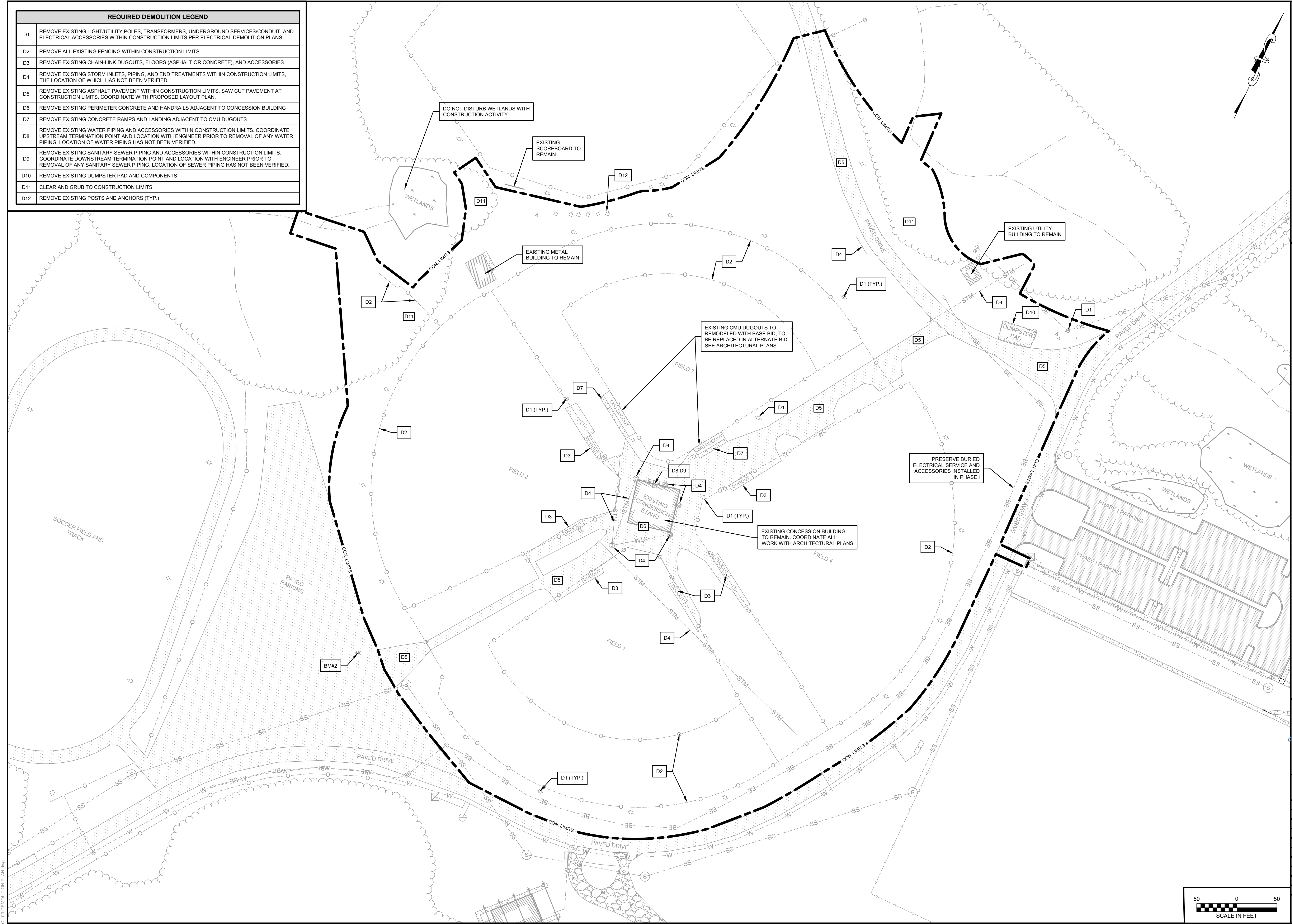
LAND SURVEYOR'S CERTIFICATE

I, JARED K. LOWE, A REGISTERED PROFESSIONAL LAND SURVEYOR AT 203 HOPKINS ROAD, GADSDEN, AL, 35901, HEREBY CERTIFY, SUBJECT TO THE NOTES SHOWN HEREON, THAT ALL PARTS OF THIS SURVEY AND DRAWING WERE PREPARED BY ME OR UNDER MY SUPERVISION, AND HAVE BEEN COMPLETED IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR SURVEYING IN THE STATE OF ALABAMA.

DATED THIS 5TH DAY OF NOVEMBER, 2021

SCALE:	AS SHOWN
DATE:	NOVEMBER 2021
REVISED	
PROJECT NO:	R62912065
SHEET NO.	C-102

REQUIRED DEMOLITION LEGEND	
D1	REMOVE EXISTING LIGHT/UTILITY POLES, TRANSFORMERS, UNDERGROUND SERVICES/CONDUIT, AND ELECTRICAL ACCESSORIES WITHIN CONSTRUCTION LIMITS PER ELECTRICAL DEMOLITION PLANS.
D2	REMOVE ALL EXISTING FENCING WITHIN CONSTRUCTION LIMITS
D3	REMOVE EXISTING CHAIN-LINK DUGOUTS, FLOORS (ASPHALT OR CONCRETE), AND ACCESSORIES
D4	REMOVE EXISTING STORM INLETS, PIPING, AND END TREATMENTS WITHIN CONSTRUCTION LIMITS. THE LOCATION OF WHICH HAS NOT BEEN VERIFIED
D5	REMOVE EXISTING ASPHALT PAVEMENT WITHIN CONSTRUCTION LIMITS. SAW CUT PAVEMENT AT CONSTRUCTION LIMITS. COORDINATE WITH PROPOSED LAYOUT PLAN.
D6	REMOVE EXISTING PERIMETER CONCRETE AND HANDRAILS ADJACENT TO CONCESSION BUILDING
D7	REMOVE EXISTING CONCRETE RAMPS AND LANDING ADJACENT TO CMU DUGOUTS
D8	REMOVE EXISTING WATER PIPING AND ACCESSORIES WITHIN CONSTRUCTION LIMITS. COORDINATE UPSTREAM TERMINATION POINT AND LOCATION WITH ENGINEER PRIOR TO REMOVAL OF ANY WATER PIPING. LOCATION OF WATER PIPING HAS NOT BEEN VERIFIED.
D9	REMOVE EXISTING SANITARY SEWER PIPING AND ACCESSORIES WITHIN CONSTRUCTION LIMITS. COORDINATE DOWNSTREAM TERMINATION POINT AND LOCATION WITH ENGINEER PRIOR TO REMOVAL OF ANY SANITARY SEWER PIPING. LOCATION OF SEWER PIPING HAS NOT BEEN VERIFIED.
D10	REMOVE EXISTING DUMPSTER PAD AND COMPONENTS
D11	CLEAR AND GRUB TO CONSTRUCTION LIMITS
D12	REMOVE EXISTING POSTS AND ANCHORS (TYP.)



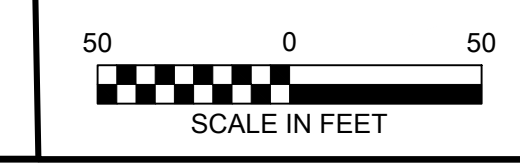
DEMOLITION PLAN
GADSDEN SPORTS PARK - PHASE II
CITY OF GADSDEN
ETOWAH COUNTY, ALABAMA



SCALE: AS SHOWN
 DATE: NOVEMBER 2021
 REVISED

PROJECT NO: R62812065

SHEET NO. C-103



C-103 DEMOLITION PLAN.dwg

BENCHMARK TABLE				
ID	MATERIAL	NORTHING	EASTING	ELEVATION
BM# 1	PK NAIL	1267676.41	607540.067	547.23
BM# 2	PK NAIL	1267855.54	606829.31	547.54
BM# 3 (LOCATION IS OFF THIS SHEET)	NAIL	1270562.39	608512.89	593.37
BM# 4 (LOCATION IS OFF THIS SHEET)	REBAR	1269449.6	607878.84	588.46
BM# 606	PK NAIL	1267024.42	606367.58	519.75
BM# 607	PK NAIL	1267255.27	606140.71	511.55



OVERALL SITE LAYOUT PLAN
GADSDEN SPORTS PARK - PHASE II
CITY OF GADSDEN
ETOWAH COUNTY, ALABAMA



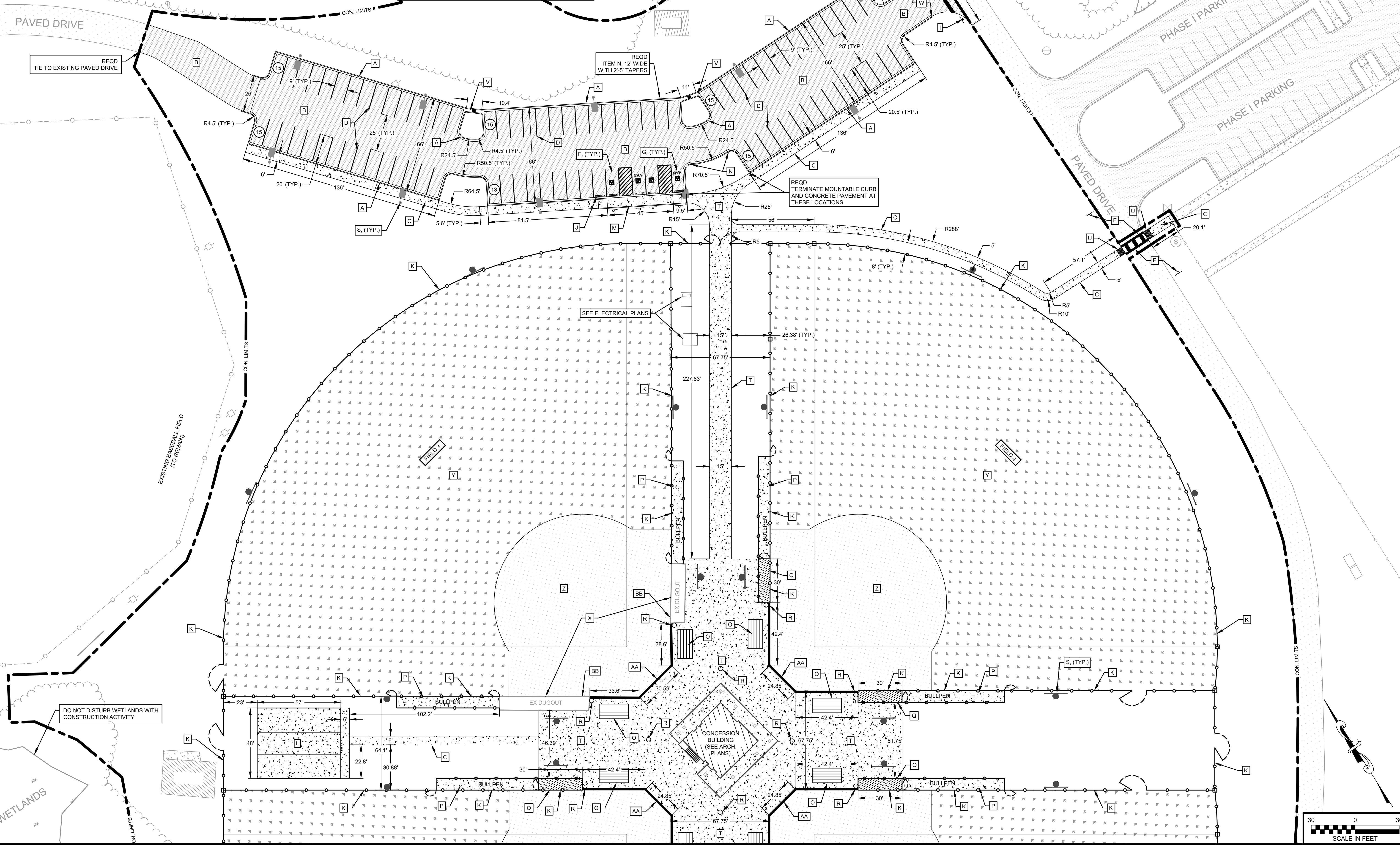
SCALE: AS SHOWN
 DATE: NOVEMBER 2021
 REVISED

PROJECT NO: R629120655

SHEET NO. C-301

C-301 OVERALL SITE LAYOUT PLAN.dwg

KEY NOTE LEGEND					
A	REQD 18" COMBINATION CURB AND GUTTER. SEE DETAIL.	J	REQD CONCRETE PARKING BUMPER (TYP. OF 5). SEE DETAIL.	S	REQD LIGHTING. SEE ELECTRICAL PLANS
B	REQD LIGHT DUTY BITUMINOUS PAVEMENT. SEE DETAIL.	K	REQD 9" CHAIN LINK FENCING AT ALL LOCATIONS, WITH THE EXCEPTION OF 4' CHAIN LINK FENCING AT THE FOLLOWING LOCATIONS: • ALONG PERIMETER OF ALL OUTFIELDS • ALONG INFIELD SIDE OF NEW DUGOUTS (BASE BID) GATE SIZES AND LOCATIONS TO BE COORDINATED WITH ENGINEER. SEE ARCHITECTURAL PLANS FOR FENCING DETAILS.	T	REQD CONCRETE PAVEMENT. SEE CIVIL DETAIL FOR SECTION. SEE ARCHITECTURAL PLANS FOR JOINT LAYOUT
C	REQD CONCRETE SIDEWALK. SEE DETAIL.	L	REQD BATTEN CAGE SYSTEM, 6" CONCRETE PAVEMENT (48' x 65') WITH OUTDOOR TURF. SEE DETAILS.	U	TRUNCATED DOMES, 2' x 4'. ARMOR TILE HERCULITE. FEDERAL YELLOW, OR APPROVED EQUAL.
D	REQD PARKING STRIPING AS SHOWN (TYP.). SEE DETAIL.	M	REQD ADA ACCESSIBLE PARALLEL RAMP. SEE DETAIL.	V	REQD CONCRETE FLUME. SEE DETAIL.
E	REQD CROSSWALK STRIPING AND SIGNAGE. SEE DETAIL.	N	REQD MOUNTABLE CURB. SEE DETAIL.	W	REQD TAPER END OF CURB. SEE DETAIL.
F	REQD ADA ACCESSIBLE PARKING, AISLES, AND SIGNAGE. SEE DETAIL.	O	REQD BLEACHERS (5 ROW), APPROX. 10' DEPTH x 20' LENGTH. SEE ARCHITECTURAL PLANS.	X	EXISTING CMU DUGOUTS TO BE REMODELED WITH BASE BID, TO BE REPLACED IN ALTERNATE BID. SEE ARCHITECTURAL PLANS.
G	REQD ADA VAN ACCESSIBLE PARKING, AISLES, AND SIGNAGE. SEE DETAIL.	P	REQD BULLPEN, 6" CONCRETE PAVEMENT (8' x 70') WITH OUTDOOR TURF. SEE DETAIL.	Y	REQD OUTFIELD PLAYING SURFACE. SEE DETAIL.
H	REQD PAVEMENT MARKING AS SHOWN. SEE DETAIL.	Q	REQD DUGOUT, DUGOUTS USA MODEL, ST830, OR APPROVED EQUAL.	Z	REQD INFIELD PLAYING SURFACE. SEE DETAIL.
I	REQD TRAFFIC SIGN, R1-1 "STOP SIGN"	R	REQD BACKSTOP NETTING SYSTEM. SEE DETAIL.	AA	REQD BACKSTOP WALL. SEE ARCHITECTURAL PLANS.
				BB	CONCRETE STEP AT ENTRANCE. FIELD VERIFY DIMENSIONS WITH OWNER.

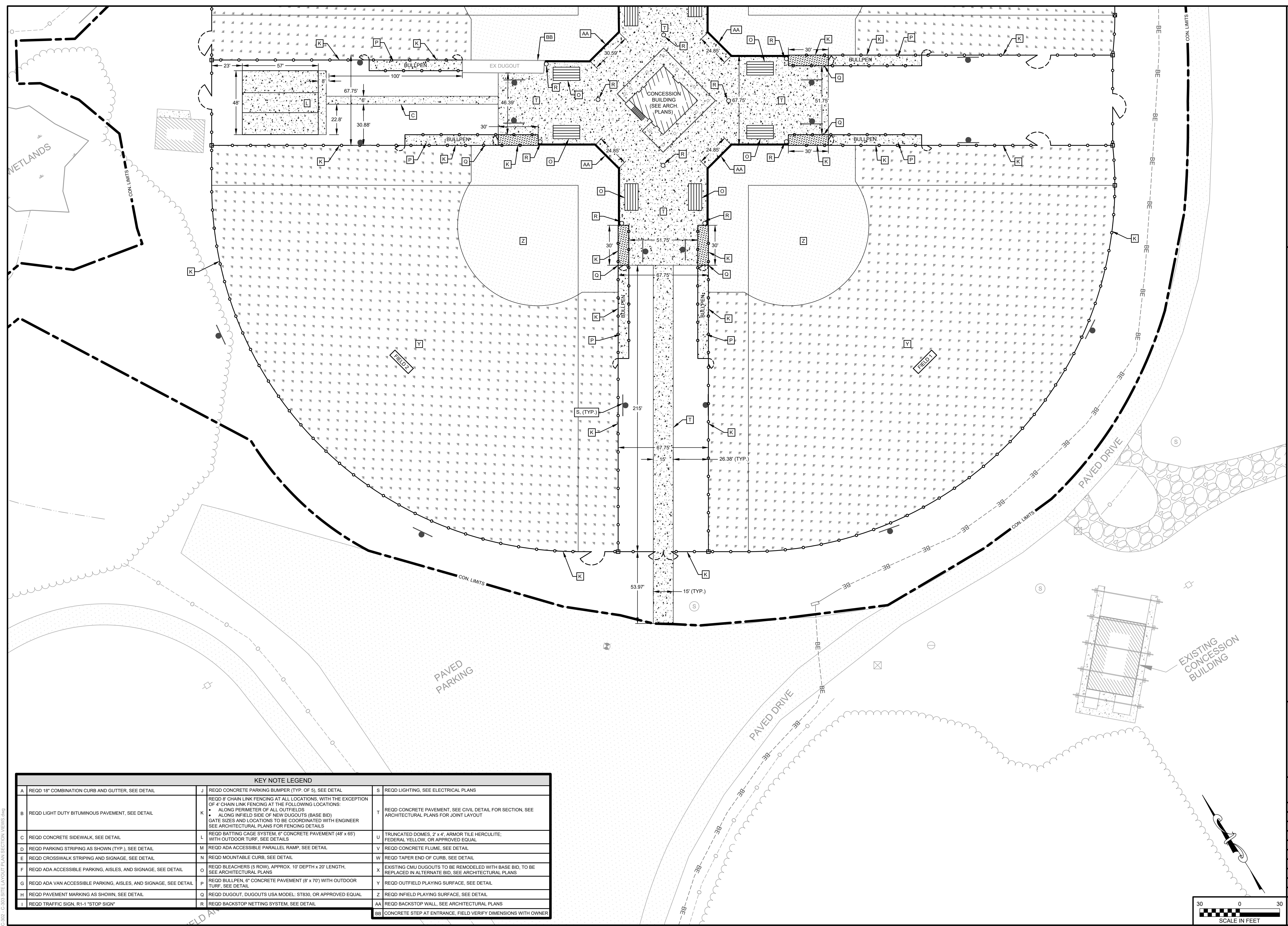


SITE LAYOUT PLAN
GADSDEN SPORTS PARK - PHASE II
CITY OF GADSDEN
ETOWAH COUNTY, ALABAMA



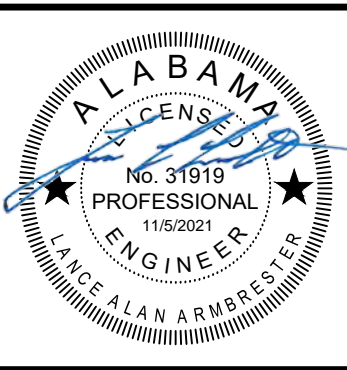
SCALE: AS SHOWN
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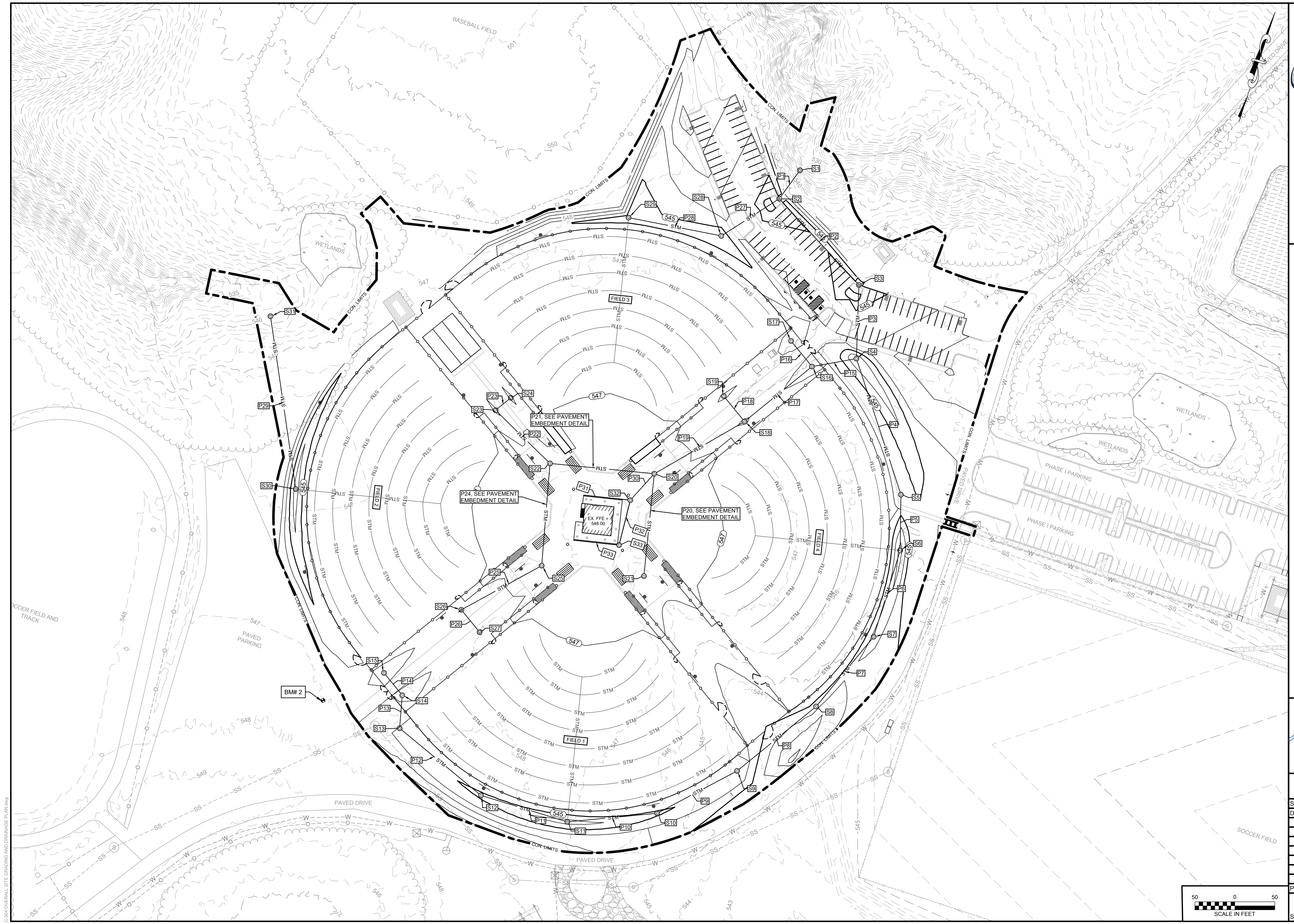
C-303 SITE LAYOUT PLAN SECTION VIEW.dwg



KEY NOTE LEGEND					
A	REQD 18" COMBINATION CURB AND GUTTER, SEE DETAIL	J	REQD CONCRETE PARKING BUMPER (TYP. OF 5), SEE DETAIL	S	REQD LIGHTING, SEE ELECTRICAL PLANS
B	REQD LIGHT DUTY BITUMINOUS PAVEMENT, SEE DETAIL	K	REQD 8' CHAIN LINK FENCING AT ALL LOCATIONS, WITH THE EXCEPTION OF 4' CHAIN LINK FENCING AT THE FOLLOWING LOCATIONS: • ALONG PERIMETER OF ALL OUTFIELDS • ALONG INFIELD SIDE OF NEW DUGOUTS (BASE BID) GATE SIZES AND LOCATIONS TO BE COORDINATED WITH ENGINEER. SEE ARCHITECTURAL PLANS FOR FENCING DETAILS	L	REQD BATTING CAGE SYSTEM, 8" CONCRETE PAVEMENT (48' x 65') WITH OUTDOOR TURF, SEE DETAILS
C	REQD CONCRETE SIDEWALK, SEE DETAIL	M	REQD ADA ACCESSIBLE PARALLEL RAMP, SEE DETAIL	N	REQD MOUNTABLE CURBS, SEE DETAIL
D	REQD PARKING STRIPING AS SHOWN (TYP.), SEE DETAIL	O	REQD BLEACHERS (5 ROW), APPROX. 10' DEPTH x 20' LENGTH, SEE ARCHITECTURAL PLANS	P	REQD BULLPEN, 6" CONCRETE PAVEMENT (8' x 70') WITH OUTDOOR TURF, SEE DETAIL
E	REQD CROSSWALK STRIPING AND SIGNAGE, SEE DETAIL	Q	REQD DUGOUT, DUGOUTS USA MODEL: ST830, OR APPROVED EQUAL	R	REQD BACKSTOP NETTING SYSTEM, SEE DETAIL
F	REQD ADA ACCESSIBLE PARKING, AISLES, AND SIGNAGE, SEE DETAIL	AA	REQD BACKSTOP WALL, SEE ARCHITECTURAL PLANS	BB	CONCRETE STEP AT ENTRANCE, FIELD VERIFY DIMENSIONS WITH OWNER
G	REQD ADA VAN ACCESSIBLE PARKING, AISLES, AND SIGNAGE, SEE DETAIL	BB	CONCRETE STEP AT ENTRANCE, FIELD VERIFY DIMENSIONS WITH OWNER		
H	REQD PAVEMENT MARKING AS SHOWN, SEE DETAIL				
I	REQD TRAFFIC SIGN, R1-1 "STOP SIGN"				
		J	REQD CONCRETE PARKING BUMPER (TYP. OF 5), SEE DETAIL	S	REQD LIGHTING, SEE ELECTRICAL PLANS
		K	REQD 8' CHAIN LINK FENCING AT ALL LOCATIONS, WITH THE EXCEPTION OF 4' CHAIN LINK FENCING AT THE FOLLOWING LOCATIONS: • ALONG PERIMETER OF ALL OUTFIELDS • ALONG INFIELD SIDE OF NEW DUGOUTS (BASE BID) GATE SIZES AND LOCATIONS TO BE COORDINATED WITH ENGINEER. SEE ARCHITECTURAL PLANS FOR FENCING DETAILS	T	REQD CONCRETE PAVEMENT, SEE CIVIL DETAIL FOR SECTION, SEE ARCHITECTURAL PLANS FOR JOINT LAYOUT
		L	REQD BATTING CAGE SYSTEM, 8" CONCRETE PAVEMENT (48' x 65') WITH OUTDOOR TURF, SEE DETAILS	U	TRUNCATED DOMES, 2' x 4', ARMOR TILE HERCULITE, FEDERAL YELLOW, OR APPROVED EQUAL
		M	REQD ADA ACCESSIBLE PARALLEL RAMP, SEE DETAIL	V	REQD CONCRETE FLUME, SEE DETAIL
		N	REQD MOUNTABLE CURBS, SEE DETAIL	W	REQD TAPER END OF CURB, SEE DETAIL
		O	REQD BLEACHERS (5 ROW), APPROX. 10' DEPTH x 20' LENGTH, SEE ARCHITECTURAL PLANS	X	EXISTING CMU DUGOUTS TO BE REMODELED WITH BASE BID, TO BE REPLACED IN ALTERNATE BID, SEE ARCHITECTURAL PLANS
		P	REQD BULLPEN, 6" CONCRETE PAVEMENT (8' x 70') WITH OUTDOOR TURF, SEE DETAIL	Y	REQD OUTFIELD PLAYING SURFACE, SEE DETAIL
		Q	REQD DUGOUT, DUGOUTS USA MODEL: ST830, OR APPROVED EQUAL	Z	REQD INFIELD PLAYING SURFACE, SEE DETAIL
		R	REQD BACKSTOP NETTING SYSTEM, SEE DETAIL		
		AA	REQD BACKSTOP WALL, SEE ARCHITECTURAL PLANS		
		BB	CONCRETE STEP AT ENTRANCE, FIELD VERIFY DIMENSIONS WITH OWNER		

SITE LAYOUT PLAN
GADSDEN SPORTS PARK - PHASE II
CITY OF GADSDEN
ETOWAH COUNTY, ALABAMA





C-304 OVERALL SITE GRADING AND DRAINAGE PLANS

OVERALL SITE GRADING AND DRAINAGE PLAN
GADSDEN SPORTS PARK - PHASE II
CITY OF GADSDEN
ETOWAH COUNTY, ALABAMA

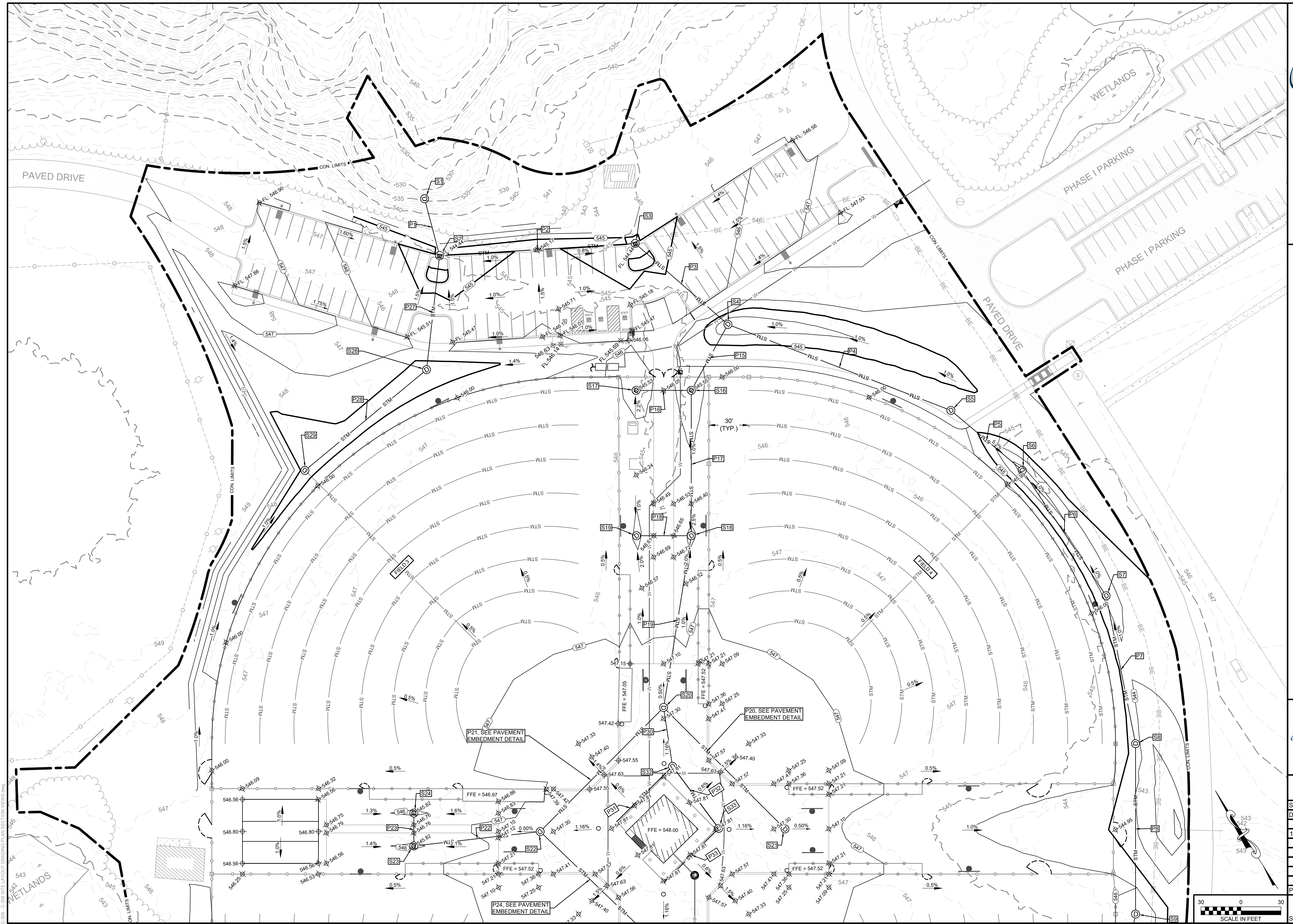


SCALE: AS SHOWN
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PROJECT NO: R62912965

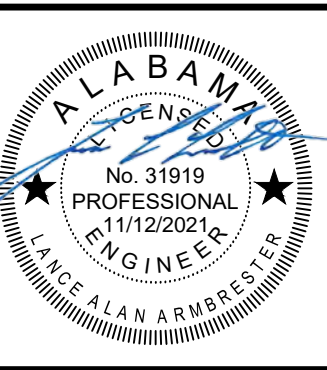
SHEET NO. C-304



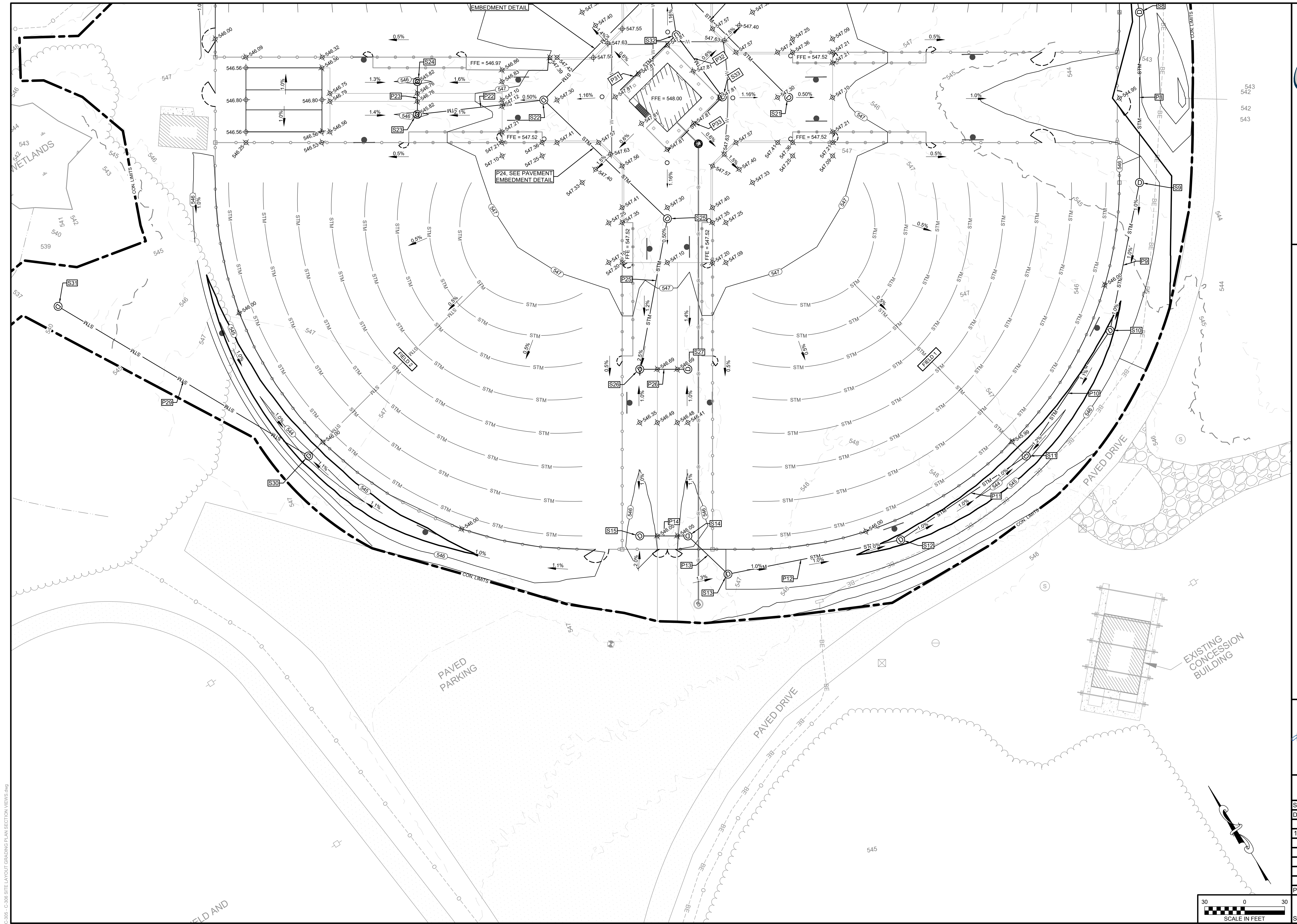


C-305 - C-306 SITE LAYOUT GRADING PLAN SECTION VIEW 201

**GRADING AND DRAINAGE PLAN
 GADSDEN SPORTS PARK - PHASE II
 CITY OF GADSDEN
 ETOWAH COUNTY, ALABAMA**



SCALE:	AS SHOWN
DATE:	NOVEMBER 2021
REVISED	
11/12/2021	
PROJECT NO:	R62912065
SHEET NO.	C-305

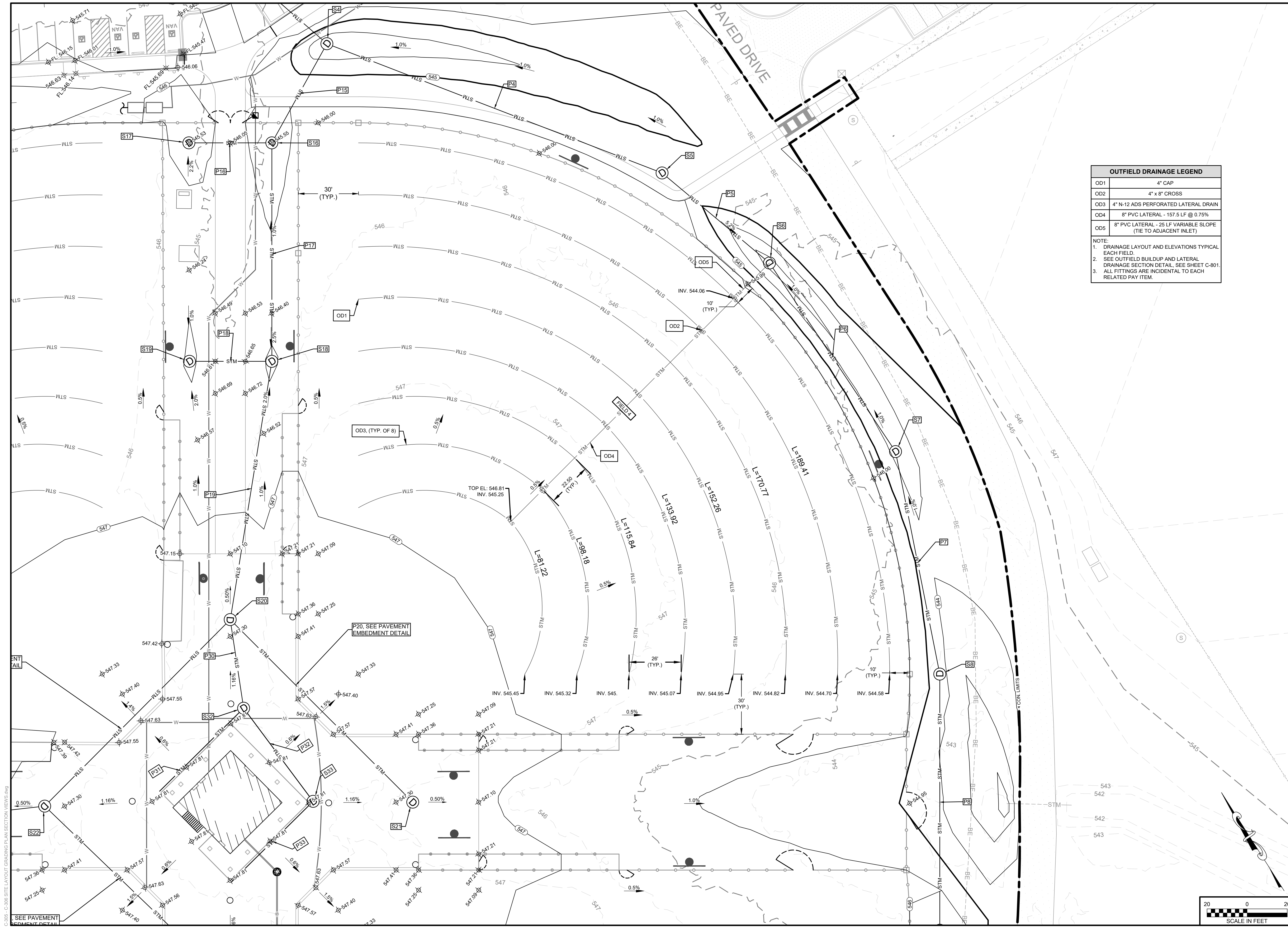


224 BROAD ST. SUITE 201
GADSDEN, AL 35901
P.O. BOX 2079 (35950)
PH: (256) 543-9431

GRADING AND DRAINAGE PLAN
GADSDEN SPORTS PARK - PHASE II
CITY OF GADSDEN
ETOWAH COUNTY, ALABAMA



SCALE:	AS SHOWN
DATE:	NOVEMBER 2021
REVISED	
11/12/2021	
PROJECT NO:	R629120655
SHEET NO.	C-306



OUTFIELD DRAINAGE LEGEND	
OD1	4" CAP
OD2	4" x 8" CROSS
OD3	4" N-12 ADS PERFORATED LATERAL DRAIN
OD4	8" PVC LATERAL - 157.5 LF @ 0.75%
OD5	8" PVC LATERAL - 25 LF VARIABLE SLOPE (TIE TO ADJACENT INLET)

NOTE:
 1. DRAINAGE LAYOUT AND ELEVATIONS TYPICAL EACH FIELD.
 2. SEE OUTFIELD BUILDUP AND LATERAL DRAINAGE SECTION DETAIL, SEE SHEET C-801.
 3. ALL FITTINGS ARE INCIDENTAL TO EACH RELATED PAY ITEM.

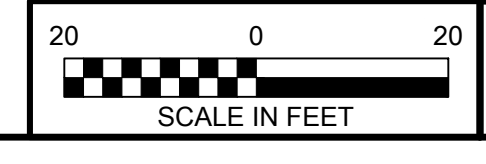


224 BROAD ST. SUITE 201
 GADSDEN, AL 35901
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 PH: (256) 543-9431

**OUTFIELD DRAINAGE PLAN
 GADSDEN SPORTS PARK - PHASE II
 CITY OF GADSDEN
 ETOWAH COUNTY, ALABAMA**



SCALE:	AS SHOWN
DATE:	NOVEMBER 2021
REVISED	
11/12/2021	
PROJECT NO:	R629120655
SHEET NO.	C-307



C-307 - C-308 SITE LAYOUT GRADING PLAN SECTION VIEW.dwg

SEE PAVEMENT EMBEDMENT DETAIL

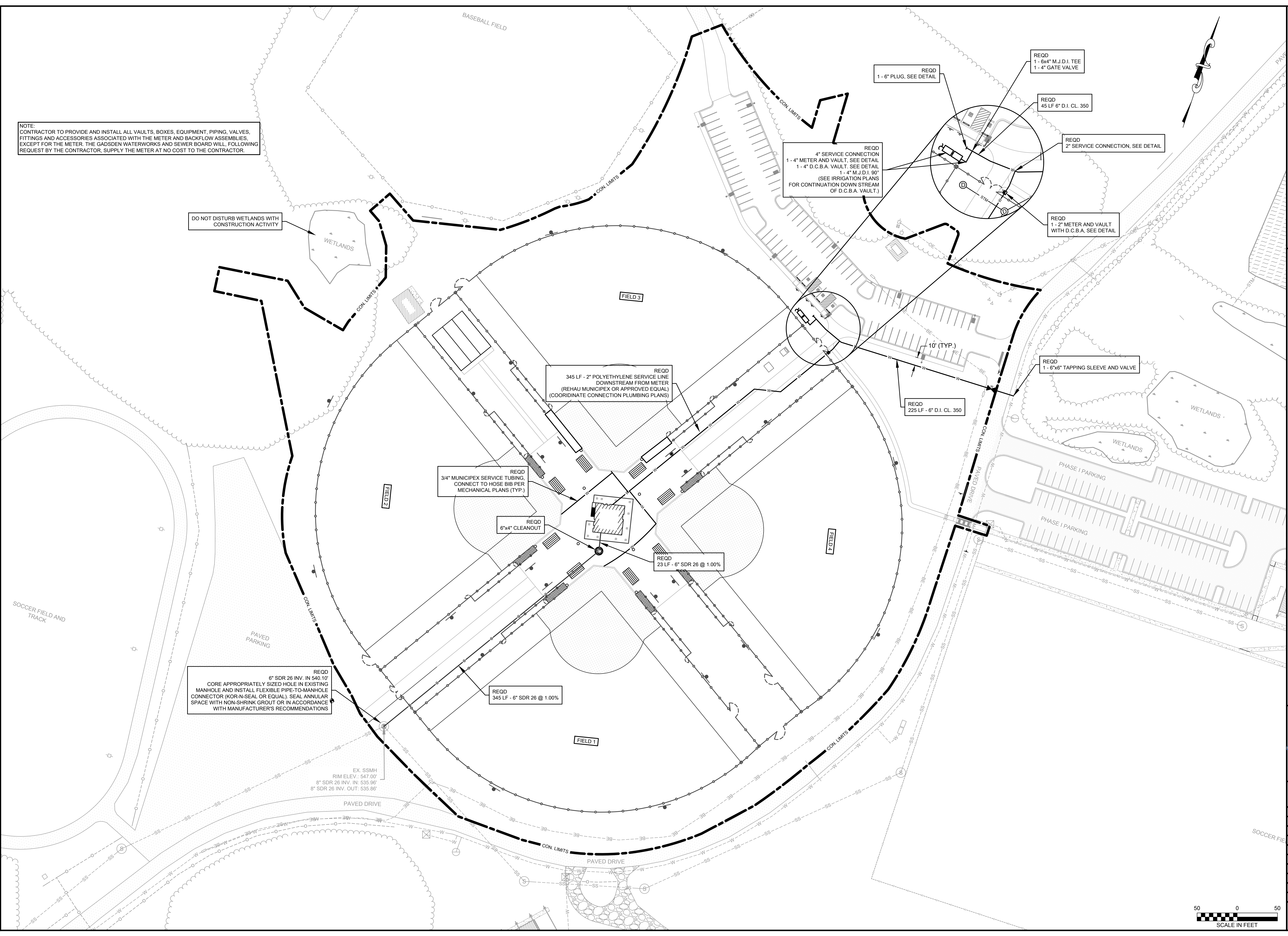
STORM PIPE TABLE			
ID	SIZE / MATERIAL	LENGTH	SLOPE
P1	24" HDPE	44'	1.00%
P2	24" HDPE	147'	0.75%
P3	24" HDPE	92'	0.75%
P4	15" HDPE	179'	0.50%
P5	15" HDPE	70'	0.50%
P6	15" HDPE	113'	0.50%
P7	15" HDPE	113'	0.50%
P8	15" HDPE	128'	0.50%
P9	15" HDPE	113'	0.50%
P10	15" HDPE	113'	0.50%
P11	12" HDPE	113'	0.50%
P12	12" HDPE	132'	0.50%
P13	12" HDPE	42'	0.50%
P14	12" HDPE	34'	0.50%
P15	24" HDPE	53'	1.00%
P16	12" HDPE	40'	1.00%
P17	18" HDPE	107'	1.00%
P18	12" HDPE	41'	1.00%
P19	18" HDPE	128'	1.00%
P20	12" HDPE	129'	1.00%
P21	18" HDPE	127'	0.50%
P22	12" HDPE	95'	0.50%
P23	12" HDPE	23'	0.50%
P24	15" HDPE	124'	0.50%
P25	12" HDPE	115'	0.50%
P26	12" HDPE	34'	0.50%
P27	18" HDPE	86'	2.00%
P28	18" HDPE	118'	1.99%
P29	12" HDPE	219'	1.00%
P30	12" HDPE	45'	1.07%
P31	8" HDPE	59'	1.00%
P32	8" HDPE	58'	1.00%
P33	8" HDPE	57'	1.00%

STORM STRUCTURE TABLE				
ID	TYPE	ELEVATIONS	PIPES IN	PIPES OUT
S1	SLOPE PAVED HEADWALL	INV IN = 533.36(S)	24" HDPE(S) - INV IN = 533.36	
S2	TWO-SIDED OPEN THROAT INLET	RIM = 544.86 INV IN = 536.82(SW) INV IN = 533.91(SE) INV OUT = 533.81(N)	18" HDPE(SW) - INV IN = 536.82 24" HDPE(SE) - INV IN = 533.91	24" HDPE(N) - INV OUT = 533.81
S3	TWO-SIDED OPEN THROAT INLET	RIM = 544.94 INV IN = 535.11(S) INV OUT = 535.01(NW)	24" HDPE(S) - INV IN = 535.11	24" HDPE(NW) - INV OUT = 535.01
S4	OPEN THROAT INLET	RIM = 543.00 INV IN = 535.90(SE) INV IN = 536.54(SW) INV OUT = 535.80(N)	15" HDPE(SE) - INV IN = 535.90 24" HDPE(SW) - INV IN = 536.54	24" HDPE(N) - INV OUT = 535.80
S5	HDPE BASIN - 24"x24" - TYPE A	RIM = 545.73 INV IN = 536.90(S) INV OUT = 536.80(NW)	15" HDPE(S) - INV IN = 536.90	15" HDPE(NW) - INV OUT = 536.80
S6	OPEN THROAT INLET	RIM = 542.50 INV IN = 537.35(S) INV OUT = 537.25(N)	15" HDPE(S) - INV IN = 537.35	15" HDPE(N) - INV OUT = 537.25
S7	HDPE BASIN - 24"x24" - TYPE A	RIM = 543.64 INV IN = 538.01(S) INV OUT = 537.91(N)	15" HDPE(S) - INV IN = 538.01	15" HDPE(N) - INV OUT = 537.91
S8	HDPE BASIN - 24"x24" - TYPE A	RIM = 544.36 INV IN = 538.68(SW) INV OUT = 538.58(N)	15" HDPE(SW) - INV IN = 538.68	15" HDPE(N) - INV OUT = 538.58
S9	HDPE BASIN - 24"x24" - TYPE A	RIM = 545.90 INV IN = 539.42(SW) INV OUT = 539.32(NE)	15" HDPE(SW) - INV IN = 539.42	15" HDPE(NE) - INV OUT = 539.32
S10	HDPE BASIN - 24"x24" - TYPE A	RIM = 544.75 INV IN = 540.08(SW) INV OUT = 539.98(NE)	15" HDPE(SW) - INV IN = 540.08	15" HDPE(NE) - INV OUT = 539.98
S11	OPEN THROAT INLET	RIM = 543.50 INV IN = 540.75(W) INV OUT = 540.65(NE)	12" HDPE(W) - INV IN = 540.75	15" HDPE(NE) - INV OUT = 540.65
S12	HDPE BASIN - 24"x24" - TYPE A	RIM = 544.65 INV IN = 541.42(W) INV OUT = 541.32(E)	12" HDPE(W) - INV IN = 541.42	12" HDPE(E) - INV OUT = 541.32
S13	HDPE BASIN - 24"x24" - TYPE A	RIM = 545.98 INV IN = 542.18(N) INV OUT = 542.08(E)	12" HDPE(N) - INV IN = 542.18	12" HDPE(E) - INV OUT = 542.08
S14	HDPE BASIN - 24" ROUND GRATE	RIM = 545.50 INV IN = 542.48(NW) INV OUT = 542.38(S)	12" HDPE(NW) - INV IN = 542.48	12" HDPE(S) - INV OUT = 542.38
S15	HDPE BASIN - 24" ROUND GRATE	RIM = 545.50 INV IN = 542.65(SE)		12" HDPE(SE) - INV OUT = 542.65
S16	CONCRETE JUNCTION BOX - 24" x 24" GRATE INLET	RIM = 545.55 INV IN = 537.67(SW) INV IN = 542.61(NW) INV OUT = 537.07(NE)	18" HDPE(SW) - INV IN = 537.67 12" HDPE(NW) - INV IN = 542.61	24" HDPE(NE) - INV OUT = 537.07
S17	HDPE BASIN - 24" ROUND GRATE	RIM = 545.53 INV IN = 543.01(SE)		12" HDPE(SE) - INV OUT = 543.01
S18	HDPE BASIN - 24" ROUND GRATE	RIM = 545.80 INV IN = 538.83(SW) INV IN = 542.88(NW) INV OUT = 538.74(NE)	18" HDPE(SW) - INV IN = 538.83 12" HDPE(NW) - INV IN = 542.88	18" HDPE(NE) - INV OUT = 538.74
S19	HDPE BASIN - 24" ROUND GRATE	RIM = 545.79 INV IN = 543.29(SE)		12" HDPE(SE) - INV OUT = 543.29
S20	CONCRETE JUNCTION BOX - 24" x 24" PEDESTRIAN GRATE INLET	RIM = 547.26 INV IN = 540.69(W) INV IN = 540.69(S) INV IN = 543.02(SW) INV OUT = 540.11(NE)	18" HDPE(W) - INV IN = 540.69 12" HDPE(S) - INV IN = 540.69 12" HDPE(SW) - INV IN = 543.02	18" HDPE(NE) - INV OUT = 540.11

STORM STRUCTURE TABLE				
ID	TYPE	ELEVATIONS	PIPES IN	PIPES OUT
S21	HDPE BASIN - 24" ROUND GRATE	RIM = 547.26 INV OUT = 541.98(N)		12" HDPE(N) - INV OUT = 541.98
S22	HDPE BASIN - 24" ROUND GRATE	RIM = 547.25 INV IN = 541.43(S) INV IN = 542.13(NW) INV OUT = 541.33(E)	15" HDPE(S) - INV IN = 541.43 12" HDPE(NW) - INV IN = 542.13	18" HDPE(E) - INV OUT = 541.33
S23	HDPE BASIN - 24" ROUND GRATE	RIM = 545.82 INV IN = 542.71(NE) INV OUT = 542.61(SE)	12" HDPE(NE) - INV IN = 542.71	12" HDPE(SE) - INV OUT = 542.61
S24	HDPE BASIN - 24" ROUND GRATE	RIM = 545.82 INV OUT = 542.82(SW)		12" HDPE(SW) - INV OUT = 542.82
S25	HDPE BASIN - 24" ROUND GRATE	RIM = 547.26 INV IN = 542.16(SW) INV OUT = 542.05(N)	12" HDPE(SW) - INV IN = 542.16	15" HDPE(N) - INV OUT = 542.05
S26	HDPE BASIN - 24" ROUND GRATE	RIM = 545.95 INV IN = 542.83(SE) INV OUT = 542.73(NE)	12" HDPE(SE) - INV IN = 542.83	12" HDPE(NE) - INV OUT = 542.73
S27	HDPE BASIN - 24" ROUND GRATE	RIM = 546.01 INV OUT = 543.00(NW)		12" HDPE(NW) - INV OUT = 543.00
S28	CONCRETE JUNCTION BOX - 24" x 24" GRATE INLET	RIM = 544.24 INV IN = 538.64(W) INV OUT = 538.54(NE)	18" HDPE(W) - INV IN = 538.64	18" HDPE(NE) - INV OUT = 538.54
S29	OPEN THROAT INLET	RIM = 544.29 INV OUT = 541.00(E)		18" HDPE(E) - INV OUT = 541.00
S30	OPEN THROAT INLET	RIM = 543.42 INV OUT = 540.40(NW)		12" HDPE(NW) - INV OUT = 540.40
S31	SLOPE PAVED HEADWALL	INV IN = 538.21(SE)	12" HDPE(SE) - INV IN = 538.21	
S32	HDPE BASIN W/ SOLID LID	RIM = 547.68 INV IN = 543.47 INV IN = 543.47 INV OUT = 543.50	8" HDPE - INV IN = 543.57 8" HDPE - INV IN = 543.57	12" HDPE - INV OUT = 543.47
S33	HDPE BASIN W/ SOLID LID	RIM = 547.78 INV IN = 544.25 INV OUT = 544.15	8" HDPE - INV IN = 544.25	8" HDPE - INV OUT = 544.15

NOTE:
 CONTRACTOR TO PROVIDE AND INSTALL ALL VAULTS, BOXES, EQUIPMENT, PIPING, VALVES, FITTINGS AND ACCESSORIES ASSOCIATED WITH THE METER AND BACKFLOW ASSEMBLIES EXCEPT FOR THE METER. THE GADSDEN WATERWORKS AND SEWER BOARD WILL, FOLLOWING REQUEST BY THE CONTRACTOR, SUPPLY THE METER AT NO COST TO THE CONTRACTOR.

DO NOT DISTURB WETLANDS WITH CONSTRUCTION ACTIVITY



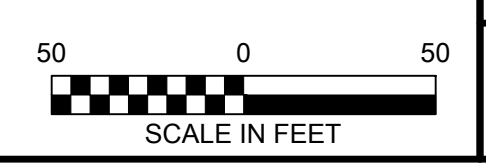
SITE UTILITY PLAN
GADSDEN SPORTS PARK - PHASE II
CITY OF GADSDEN
ETOWAH COUNTY, ALABAMA



SCALE: AS SHOWN
 DATE: NOVEMBER 2021
 REVISED

PROJECT NO: R62812065

SHEET NO. C-309



C-309 SITE UTILITY PLAN.dwg

BEST MANAGEMENT PRACTICES

I. GENERAL:

THE INTENT OF THIS GENERIC PLAN IS TO PREVENT EROSION AND RESULTING SILT TRANSPORTATION OFF SITE. THE ITEMS INDICATED ARE ENGINEERS BEST ESTIMATE OF REQUIREMENTS; MORE OR LESS MAY BE NEEDED DEPENDING ON THE SITE CONDITION, SEASONS, ETC. CONTRACTOR SHALL INSTALL ADDITIONAL MEASURES AS NECESSARY AS THE PROJECT DEVELOPS AND SITE CONDITIONS CHANGE. ALL EROSION AND SEDIMENT CONTROL STRUCTURES, SYSTEMS, DEVICES, ETC. SHALL MEET OR EXCEED THE GUIDELINES, SCENARIOS, AND PRACTICES OUTLINED IN "THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS" LATEST EDITION. A COPY OF THE DOCUMENT MAY BE OBTAINED FROM THE FOLLOWING WEBSITE; HTTPS://ALCONSERVATIONDISTRICTS.GOV/RESOURCES/EROSION-AND-SEDIMENT-CONTROL/

A. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE CONSTRUCTED PRIOR TO ANY LAND DISTURBING ACTIVITY TAKING PLACE.

B. PLANNED PHASES OF CONSTRUCTION

- 1. DEMOLITION/TREE/STUMP REMOVAL (AS PER PLAN)
2. STRIPING AND STOCKPILING OF TOPSOIL
3. GRADING OPERATIONS
4. STORM DRAINAGE AND UTILITY INSTALLATION
5. FINISH GRADING, CURB & GUTTERS, PAVEMENT AND LANDSCAPING.

C. SPECIAL REQUIREMENTS FOR SENSITIVE AREAS OF THE SITE.

- 1. INTERCEPT OFFSITE DRAINAGE, FILTER THROUGH RIPRAP FILTER BERMS OR TEMPORARY SEDIMENT TRAPS, AND DISCHARGE THROUGH THE STORM SEWER SYSTEM.
3. RIP-RAP OUTLET PROTECTION SHALL BE INSTALLED AT ALL DOWNSTREAM OUTFALLS, EXCEPT THOSE IN ALDOT RIGHT-OF-WAYS.

II. IMPLEMENTATION:

PLANNED CONSTRUCTION PHASING AND REQUIRED SPECIFIC SEDIMENT AND EROSION CONTROL MEASURES.

A. PHASE 1

STUMP REMOVAL: THIS PHASE OF CONSTRUCTION INVOLVES THE DIGGING UP AND REMOVAL OF STUMPS FROM THE SITE. THIS PHASE COULD ALSO INVOLVE THE BURNING OF STUMPS AS WELL AS HAULING THEM AWAY. THE FOLLOWING WILL APPLY DURING THIS PHASE.

- 1. CONSTRUCTION OF A "STONE" CONSTRUCTION ENTRANCE/EXIT SHALL BE DONE TO PREVENT SILT FROM BEING DEPOSITED ON ROADWAYS.
2. TEMPORARY CULVERTS SHALL BE PLACED IN DITCHES AND WATERWAYS IF NECESSARY TO GAIN ACCESS INTO THE SITE.
3. SILT FENCES SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER DURING ANY PHASE OF CONSTRUCTION.
4. ALL TREES AND DEBRIS WILL BE KEPT AWAY FROM DITCHES AND STREAMS SO RUN-OFF ACCUMULATING IN THE DITCHES AND STREAMS WILL NOT CARRY BRANCHES AND LIMBS DOWNSTREAM.
5. SWALES OR TEMPORARY DIVERSION SHALL BE CONSTRUCTED AS NECESSARY AND AS SHOWN TO DIVERT RUN-OFF AWAY FROM THE WORK AREA.
6. SILT TRAPS, SEDIMENT BASINS, AND DETENTION PONDS SHALL BE INSTALLED WHERE SHOWN ON THE PLANS IN AND ACCORDANCE WITH DETAILS SHOWN TO CATCH RUNOFF AND FILTER IT PRIOR TO DISCHARGE FROM THE SITE.

B. PHASE 2

TOPSOIL STRIPPING AND STOCKPILING: THIS IS THE PHASE AFTER ALL TREE REMOVAL, STUMP AND DEBRIS REMOVAL. TOPSOIL SHALL BE STRIPPED, SCREENED OF DEBRIS, AND STOCK PILED AT AN APPROVED LOCATION ON SITE.

- 1. ALL REQUIREMENTS OF PHASE 1 NOTED ABOVE FOR STUMP REMOVAL WILL ALSO APPLY FOR THIS PHASE OF CONSTRUCTION.

C. PHASE 3

GRADING OPERATIONS: THIS PHASE IS THAT TIME WHEN THE EARTH IS BEING MOVED FROM ONE PORTION OF THE SITE TO ANOTHER OR IS BEING HAULED INTO OR HAULED OFF FROM THE SITE. THIS IS A CRITICAL TIME WHEN SEDIMENT AND EROSION CONTROL FACILITIES MUST BE CONSTANTLY CHECKED TO BE SURE THEY ARE EFFECTIVE AND CONSTANTLY CHANGED TO MEET THE CURRENT CONDITIONS. THE FOLLOWING WILL APPLY TO THIS STAGE OF CONSTRUCTION.

- 1. ALL SEDIMENT CONTROL FACILITIES REQUIRED SHALL BE INSTALLED DURING PHASE 1 AND 2 SHALL BE LEFT IN PLACE AND MAINTAINED UNTIL VEGETATION IS RE-ESTABLISHED TO AN ACCEPTABLE MANNER.
2. WHENEVER A SILT CONTROL FACILITY IS REMOVED BECAUSE OF CHANGING SITE CONDITIONS IT SHALL BE REPLACED WITH ANOTHER MEASURE THAT WILL BE PART OF THE PROGRAM OF SILT AND EROSION CONTROL.
3. CUT SLOPES SHALL BE PROTECTED BY CONSTRUCTING SWALES AT THE TOP OF CUT SLOPES TO INTERCEPT RUNOFF UPGRADE FROM RUNNING DOWN SLOPES UNCONTROLLED. SWALES WILL BE CONSTRUCTED AS NECESSARY WITH RIP-RAP CHECK DAMS OR SILT FENCES CONSTRUCTED IN SWALES AS NECESSARY TO PREVENT EROSION AND SILTATION.
4. FILL SLOPES SHALL BE PROTECTED BY THE CONSTRUCTION OF BERMS AT THE TOP OF ALL FILL SLOPES TO PREVENT UNCONTROLLED RUNOFF DRAINING DOWN FACE OF SLOPES AND CAUSING EROSION AND SILTATION.
5. RUNOFF ACCUMULATING IN BERMS FROM UPGRADING RUNOFF SHALL BE DIRECTED ALONG BERM TO SLOPE DRAINS THAT WILL CARRY RUNOFF DOWN THE SLOPE. SLOPE DRAINS SHALL HAVE INLET SILT PROTECTION TO STOP SILT AT PIPE INLET.
6. SILT FENCES SHALL BE IN PLACE AT THE TOE OF ALL FILL SLOPES.
7. TERRACES, BERMS, SWALES SHALL BE CONSTRUCTED AT INTERMEDIATE LOCATIONS THROUGHOUT THE SITE AS NECESSARY TO CONTROL EROSION AND SEDIMENT TRANSPORT. THESE DIVERSION FACILITIES SHALL BE SUPPLEMENTED AS NECESSARY WITH SILT FENCES AND RIP-RAP FILTER BERMS TO FILTER ACCUMULATED SEDIMENT FROM RUNOFF PRIOR TO DISCHARGE FROM THE SITE.
8. SEDIMENT BASINS SHALL BE INSTALLED IF NECESSARY.
9. SLOPES (CUT AND FILL) THAT ARE CONSTRUCTED IN THE FINAL CONFIGURATION SHALL BE COVERED WITH 4" OF TOPSOIL AND GRASSED AND MULCHED AS SOON AS GRADING IS COMPLETED SO VEGETATION CAN PROTECT SLOPE.
10. PORTIONS OF THE SITE THAT ARE GRADED TO FINAL GRADE AND ARE NOT TO RECEIVE PAVEMENT OR BUILDINGS SHOULD HAVE 3" OF TOPSOIL SPREAD OVER THE SURFACE AND GRASSED AS SOON AS POSSIBLE IN CONSTRUCTION PROCESS. SLOPES STEEPER THAN 3:1 SHALL BE TRACK WALKED PRIOR TO SEEDING. USE PERMANENT RIP-RAP ON ALL SLOPES 2:1 AND STEEPER. THIS PHASE OF CONSTRUCTION IS CRITICAL IN THE EROSION AND SILT CONTROL PROCESS.
11. STORM SEWERS NEED TO BE INSTALLED AS SOON AS POSSIBLE IN THE CONSTRUCTION PROCESS AND CONCURRENT WITH GRADING OPERATIONS TO ENSURE A SUCCESSFUL PROGRAM. RUNOFF SHALL BE DIRECTED TO STORM SEWER SYSTEM AS SOON AS POSSIBLE.
12. TEMPORARY RIPRAP CHECK DAMS SHALL BE INSTALLED IN DITCHES AS SHOWN ON PLANS. CHECK DAMS SHALL BE INSPECTED PERIODICALLY AND SEDIMENT BUILDUP REMOVED TO ENSURE PERFORMANCE. CHECK DAMS MAY BE REMOVED FOLLOWING INSTALLATION OF PERMANENT EROSION CONTROL BLANKETS AND VEGETATION IS PROPERLY ESTABLISHED.

D. PHASE 4

STORM DRAINAGE AND UTILITY INSTALLATION PLAN: THIS PHASE WILL BE DONE AFTER OR CONCURRENT WITH THE GRADING PHASE. STORM SEWERS SHALL BE INSTALLED AND PUT INTO SERVICE AS EARLY IN THE GRADING PROCESS AS POSSIBLE. THE FOLLOWING WILL APPLY TO THIS PHASE OF CONSTRUCTION:

- 1. ALL ASPECTS OF THE PREVIOUS PHASES SHALL BE MAINTAINED AS APPLICABLE.
2. STORM SEWERS THAT ARE INSTALLED SHALL BE PUT INTO SERVICE IMMEDIATELY. THE INLETS/FLUMES OF ALL STORM SEWERS SHALL BE PROTECTED WITH SILT TRAPS THAT PREVENT SEDIMENT FROM ENTERING PIPE. THIS PROTECTION CAN BE SILT FENCES AND HAYBALES OR RIP-RAP FILTER BERMS AS APPLICABLE AND AS SHOWN ON THE PLANS.
3. RIP-RAP AS SHOWN ON THE PLANS AND AS REQUIRED ON THE SITE WILL BE INSTALLED AT PIPE OUTLETS TO PREVENT EROSION DUE TO VELOCITIES OF WATER IN THE PIPES. THE RIP-RAP SHALL BE EXTENDED DOWNSTREAM AS NEEDED TO PREVENT EROSION.
4. ADDITIONAL SILT FENCING SHALL BE INSTALLED AS NECESSARY TO PREVENT EROSION AND SILTATION RESULTING FROM STOCKPILED EXCAVATION MATERIAL FROM UTILITY INSTALLATION OPERATION.
5. WATTLES SHALL BE INSTALLED IN ALL NEWLY CONSTRUCTED DITCHES AND SWALES AS NECESSARY TO PREVENT EROSION AND SILTATION FROM WASHING DOWNSTREAM.

E. PHASE 5

FINISH GRADING, CURB AND PAVEMENT INSTALLATION, AND LANDSCAPING: THIS IS THE WRAP-UP STAGE WHEN ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES WILL BE PHASED OUT. THE FOLLOWING WILL APPLY TO THIS PHASE:

- 1. ALL FACILITIES FROM PHASE 1 THROUGH PHASE 4 WILL BE MAINTAINED AS APPROPRIATE AND REMOVED ONLY WHEN NO LONGER NEEDED OR REPLACED WITH PHASE APPROPRIATE BMP.
2. SILT TRAPS AROUND DRAINAGE INLETS/FLUMES WILL BE MAINTAINED, MODIFIED AS NECESSARY AND REMOVED WHEN NEEDED IS GONE.
3. ALL AREAS NOT RECEIVING PAVEMENT OR BUILDINGS SHALL HAVE 4" OF TOPSOIL SPREAD OVER AREA AND GRASSED PER PLAN, OR HAVE LANDSCAPING, MULCHING AND OR SOD INSTALLED AS APPLICABLE.
4. CONTRACTOR MAY COVER SOME AREAS WITH 2 1/2" THICK GRADED AGGREGATE FOR EROSION CONTROL IN LIEU OF GRASSING. MUST BE APPROVED BY THE ENGINEER
5. TERRACES, BERMS, SWALES SHALL BE CONSTRUCTED AT INTERMEDIATE LOCATIONS THROUGHOUT THE SITE AS NECESSARY TO CONTROL EROSION AND SEDIMENT TRANSPORT. THESE DIVERSION FACILITIES SHALL BE SUPPLEMENTED AS NECESSARY WITH SILT FENCES AND RIP-RAP FILTER BERMS TO FILTER ACCUMULATED SEDIMENT FROM RUNOFF PRIOR TO DISCHARGE FROM THE SITE.
6. SEDIMENT BASINS SHALL BE INSTALLED IF NECESSARY.
7. SLOPES (CUT AND FILL) THAT ARE CONSTRUCTED IN THE FINAL CONFIGURATION SHALL BE COVERED WITH 4" OF TOPSOIL AND GRASSED AND MULCHED AS SOON AS GRADING IS COMPLETED SO VEGETATION CAN PROTECT SLOPE.
8. PORTIONS OF THE SITE THAT ARE GRADED TO FINAL GRADE AND ARE NOT TO RECEIVE PAVEMENT OR BUILDINGS SHOULD HAVE 4" OF TOPSOIL SPREAD OVER THE SURFACE AND GRASSED AS SOON AS POSSIBLE IN CONSTRUCTION PROCESS. THIS PHASE OF CONSTRUCTION IS CRITICAL IN THE EROSION AND SILT CONTROL PROCESS.
9. STORM SEWERS NEED TO BE INSTALLED AS SOON AS POSSIBLE IN THE CONSTRUCTION PROCESS AND CONCURRENT WITH GRADING OPERATIONS TO ENSURE A SUCCESSFUL PROGRAM. RUNOFF SHALL BE DIRECTED TO STORM SEWER SYSTEM AS SOON AS POSSIBLE.

III. LANDSCAPING/SEEDING:

REFER TO THIS DRAWING (SEEDING NOTES:) FOR ACTUAL REQUIREMENTS FOR THE INSTALLATION OF LIME, FERTILIZER, SEED AND MULCH. GRASSING OPERATIONS SHALL BE DONE THROUGHOUT CONSTRUCTION PROCESS AT THOSE TIMES WHEN PORTIONS OF THE SITE ARE FINISHED AND READY FOR PERMANENT GROUND COVER. THIS WILL REQUIRE MULTIPLE EFFORTS BY THE GRASSING SUBCONTRACTOR TO STABILIZE ALL IMPACTED AREAS OF THE SITE IN AN ORDERLY FASHION. NO AREA OF THE SITE THAT RECEIVED FINAL GRADE SHALL BE LEFT FOR MORE THAN FOURTEEN (13) DAYS WITHOUT THE APPLICATION OF SEED AND MULCH.

IV. INSPECTION AND MAINTENANCE INSTRUCTIONS:

ALL EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE INSPECTED REGULARLY TO BE SURE THEY ARE EFFECTIVE IN THE EVENT OF RAINFALL. THEY SHALL BE INSPECTED ONCE A WEEK (MINIMUM) AND WITHIN 24 HOURS AFTER EACH RAINFALL EVENT. ANY DAMAGED OR NON- FUNCTIONAL FACILITY SHALL BE REPAIRED IMMEDIATELY. THE FOLLOWING WILL APPLY TO MAINTAINING EROSION AND SEDIMENT CONTROL FACILITIES.

- 1. SEDIMENT BASINS AND/OR DETENTION PONDS SHALL BE CLEANED OUT WHEN THE LEVEL OF SEDIMENT BUILDUP REACHES THE CLEANOUT POINT INDICATED ON THE DETAIL. SEDIMENT SHALL BE DISPOSED IN SUITABLE AREAS AND IN SUCH A MANNER THAT WILL NOT ERODE OR CAUSE SEDIMENTATION PROBLEMS. THE BASIN EMBANKMENT SHALL BE CHECKED REGULARLY TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT. EMERGENCY SPILLWAYS SHALL BE CHECKED REGULARLY TO ENSURE THAT THEIR LININGS ARE WELL ESTABLISHED AND EROSION RESISTANT.
2. SEDIMENT TRAPS WILL BE CHECKED REGULARLY FOR SEDIMENT CLEANOUT. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED. SEDIMENT REMOVED FROM THE TRAP SHALL BE DEPOSITED IN SUITABLE AREAS AND IN SUCH A MANNER THAT IT WILL NOT ERODE AND CAUSE SEDIMENTATION PROBLEMS.
3. WATTLES WILL BE CHECKED REGULARLY FOR SEDIMENT BUILDUP WHICH WILL PREVENT DRAINAGE. IF THE WATTLE IS CLOGGED OR DAMAGED, IT SHALL BE REMOVED AND CLEANED OR REPLACED.
4. SILT FENCE BARRIERS WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION OF THE FABRIC. SEDIMENT SHALL BE REMOVED WHEN THE LEVEL OF SEDIMENT DEPOSITION REACHES HALF WAY TO THE TOP OF THE BARRIER.
5. SEEDED AREAS WILL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RESEDED AS NEEDED.
6. IF ANY FACILITY IS DAMAGED DURING MAINTENANCE, OR OTHERWISE, THE DAMAGED PORTION SHALL BE REMOVED AND REPLACED ACCORDING TO THE INDICATED DETAIL.
7. IF SILT HAS CLOGGED SEDIMENT CONTROL FACILITY AND IT IS NO LONGER EFFECTIVE IN FILTERING SILT, THE STRUCTURE SHALL BE REMOVED AND REPLACED WITH A NEW STRUCTURE IN ACCORDANCE WITH APPLICABLE DETAIL.
8. CONSTRUCTION ENTRANCE SHALL HAVE ADDITIONAL STONE ADDED AS MUD COVERS STONE. DURING MUDDY TIMES, TIRES SHALL BE WASHED PRIOR TO GOING INTO THE STREET.
9. MAINTAINING EFFECTIVENESS: CONTRACTORS QCI SHALL INSPECT OVERALL PERFORMANCE OF EROSION AND SEDIMENT CONTROL FACILITIES AND AREAS DOWNSTREAM. IF SILT IS APPARENT DOWNSTREAM FROM STRUCTURES, SOME FAILURE HAS OCCURRED. IF SEDIMENT IS OBSERVED DOWNSTREAM, IMMEDIATELY NOTIFY THE ENGINEER. ENGINEER WILL INSPECT THE CONDITION AND AFTER INSPECTION, WILL DIRECT THE REMOVAL OF ACCUMULATED SEDIMENT DOWNSTREAM AND INSTALLATION OF ADDITIONAL STRUCTURAL MEASURES AS NECESSARY. CONTRACTOR SHALL IMPLEMENT RECOMMENDED SOLUTIONS TO PROBLEM AREAS AS RECOMMENDED.

V. COMPLETION

PROJECT CLOSE OUT: THE FOLLOWING SHALL BE DONE AT THE END OF THE PROJECT.

- 1. INSPECT SITE TO BE SURE THAT GROUND COVER IS COMPLETE AND ADEQUATE. IN OTHER WORDS, ALL AREAS ARE EITHER PAVED OR HAVE GOOD GROUND COVER WITH NO EROSION APPARENT. GENERALLY GOOD GROUND COVER OF VEGETATION IS DEFINED AS 85% VEGETATIVE COVER WITH NO AREAS OF EROSION APPARENT.
2. IF ABOVE INSPECTION IS MADE AND APPROVED, ALL STRUCTURAL FACILITIES SHALL BE REMOVED ALONG WITH ANY ACCUMULATED SILT. THE AREAS DISTURBED BY REMOVAL OF STRUCTURES SHALL BE FINE GRADED, GRASSED AND MULCHED.
3. IF INSPECTION IS MADE AND PROBLEMS EXIST, RESOLVE THE PROBLEM, MAKE THE REPAIR, AND MAKE SUBSEQUENT INSPECTION PRIOR TO REMOVAL.

VI. MISCELLANEOUS ISSUES:

- 1. NO FUEL OR OIL WILL BE STORED ON SITE.
2. NO OILS OR GAS WILL BE DUMPED ON SITE.
3. LOCATION OF TRAILER AND PORT-A-JOHN WILL BE FIELD DETERMINED TO AVOID CONSTRUCTION ACTIVITIES. LOCATION WILL CHANGE DURING CONSTRUCTION AS APPROPRIATE.
4. DEWATERING OPERATIONS MAY BE REQUIRED ON THIS PROJECT. IF REQUIRED, PUMPED GROUND WATER SHALL BE ROUTED THROUGH SILT CONTROL FACILITY TO FILTER WATER PRIOR TO DISCHARGE.
5. PROJECT SITE SHALL BE KEPT CLEAR OF ALL HUMAN AND CONSTRUCTION DEBRIS. CONTRACTOR SHALL HAVE TRASH COLLECTED WEEKLY AND PLACED IN DUMPSTER TO BE HAULED OFF THE SITE.
6. ALL WATER SUPPLY WILL BE PROVIDED FROM PUBLIC WATER SUPPLY.
7. ALL HUMAN WASTE WILL BE IN PORT-A-JOHN OR PUBLIC SEWER SYSTEM TOILET AND DISPOSED OF BY A LICENSED VENDOR OR IN A PUBLIC SANITARY SEWER SYSTEM
8. ANY SPILLED OIL, GAS, ETC., RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE CONTAINED AND CLEANED IMMEDIATELY AND CONTAMINATED SOILS SHALL BE DISPOSED OF IN AN APPROVED MANNER AT A LICENSED LANDFILL.
9. DUST SUPPRESSION OPERATIONS WILL BE DONE BY MEANS OF A WATER TRUCK SPRAYING WATER ON THE SURFACE OF THE SITE.

VII. SEEDING NOTES:

A. PRIOR TO TEMPORARY SEED APPLICATION, TREAT SOIL AS FOLLOWS:

- 1. THE CONTRACTOR SHALL BE REQUIRED TO HAVE SOIL TESTED AND FOLLOW RECOMMENDATIONS FOR AMENDING THE SOIL WITH ITEMS SUCH AS LIME, FERTILIZER, ETC. TESTING AND AMENDMENTS SHALL BE A SUBSIDIARY OBLIGATION OF THE APPLICABLE EROSION AND SEDIMENTATION CONTROL ITEM.
2. THOROUGHLY INCORPORATE THE ABOVE AMENDMENTS INTO THE FIRST TWO TO THREE INCHES OF SOIL. AFTER SEEDING, FIRM THE SEEDS INTO THE TOP 1/4" OF SOIL. GRADE AREAS TO BE SEEDED TO INSURE PROPER DRAINAGE WITH EVEN GRADES. MULCH IMMEDIATELY AFTER SEEDING WITH EITHER STRAW, HAY OR WOOD CELLULOSE FIBER. STRAW OR HAY SHALL BE APPLIED AT A RATE OF 100 LBS./1000 SF. HAY OR STRAW SHALL BE STABILIZED WITH AN ADHESIVE. ALL SLOPES WHICH EXCEED 3:1 SHALL BE HYDROSEEDED. WATER AS REQUIRED TO ESTABLISH SEED. ALL AREAS THAT DO NOT SHOW 85% COVER SHALL BE RESEDED UNTIL PERMANENT GRASS HAS BEEN ESTABLISHED WITH NO BARE AREAS OR WASHOUTS. AFTER GRASS HAS SHOWN GROWTH (APPROXIMATELY 40 DAYS) AND WHILE SOIL SURFACE IS MOIST, THE CONTRACTOR SHALL ADD ANY RECOMMENDED TOP DRESSING FROM SOIL TEST.

B. TEMPORARY SEEDING SHALL BE PERFORMED IF A DISTURBED AREA IS LEFT UNATTENDED FOR (13) OR MORE DAYS. APPLY SEED AS FOLLOWS:

Table with 2 columns: Seed Type, Rate. Rows: ANNUAL RYE GRASS 50 LB./AC., KENTUCKY 31 TALL FESCUE 30 LB./AC.

C. PERMANENT SEEDING SHALL BE PERFORMED UPON COMPLETION OF FINAL GRADING AND TOPSOIL PLACEMENT. APPLY SEED AS FOLLOWS:

Table with 2 columns: Seed Type, Rate. Rows: BERMUDA GRASS (HULLED) 20 LB./AC., KENTUCKY 31 TALL FESCUE 30 LB./AC., ANNUAL RYE GRASS 50 LB./AC.

Table with 2 columns: Seed Type, Rate. Rows: SEPTEMBER THROUGH FEBRUARY BERMUDA GRASS (UNHULLED) 20 LB./AC., KENTUCKY 31 TALL FESCUE 30 LB./AC., ANNUAL RYE GRASS 50 LB./AC.

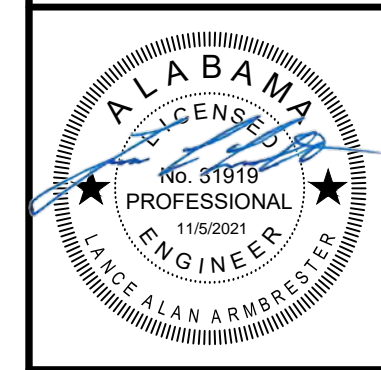
NOTE: IF APPLICABLE, SEE LANDSCAPING PLAN FOR AREAS TO BE SODDED AND/OR DISTURBED AREAS SHALL BE HYDRO-SEEDED WITH PERMANENT SEEDING MIX. ALL DISTURBED AREAS SHALL BE HYDRO-SEEDED WITH PERMANENT SEEDING MIX AT MINIMUM PRIOR TO SUBSTANTIAL COMPLETION.

- D. ALL TEMPORARY/PERMANENT SEEDING SHALL BE MULCHED. USE EROSION CONTROL BLANKETS ON ALL SLOPES 3:1 AND STEEPER.
E. ALL SOD AND PERMANENT SEEDING AREAS SHALL HAVE 3" MIN. TOPSOIL LAYER.
F. ALL TEMPORARY/PERMANENT SEEDING AND MULCHING SHALL BE PERFORMED USING HYDRO-SEEDING AND MECHANICAL MULCH SPREADER METHODS.



224 BROAD ST. SUITE 201 GADSDEN, AL 36901
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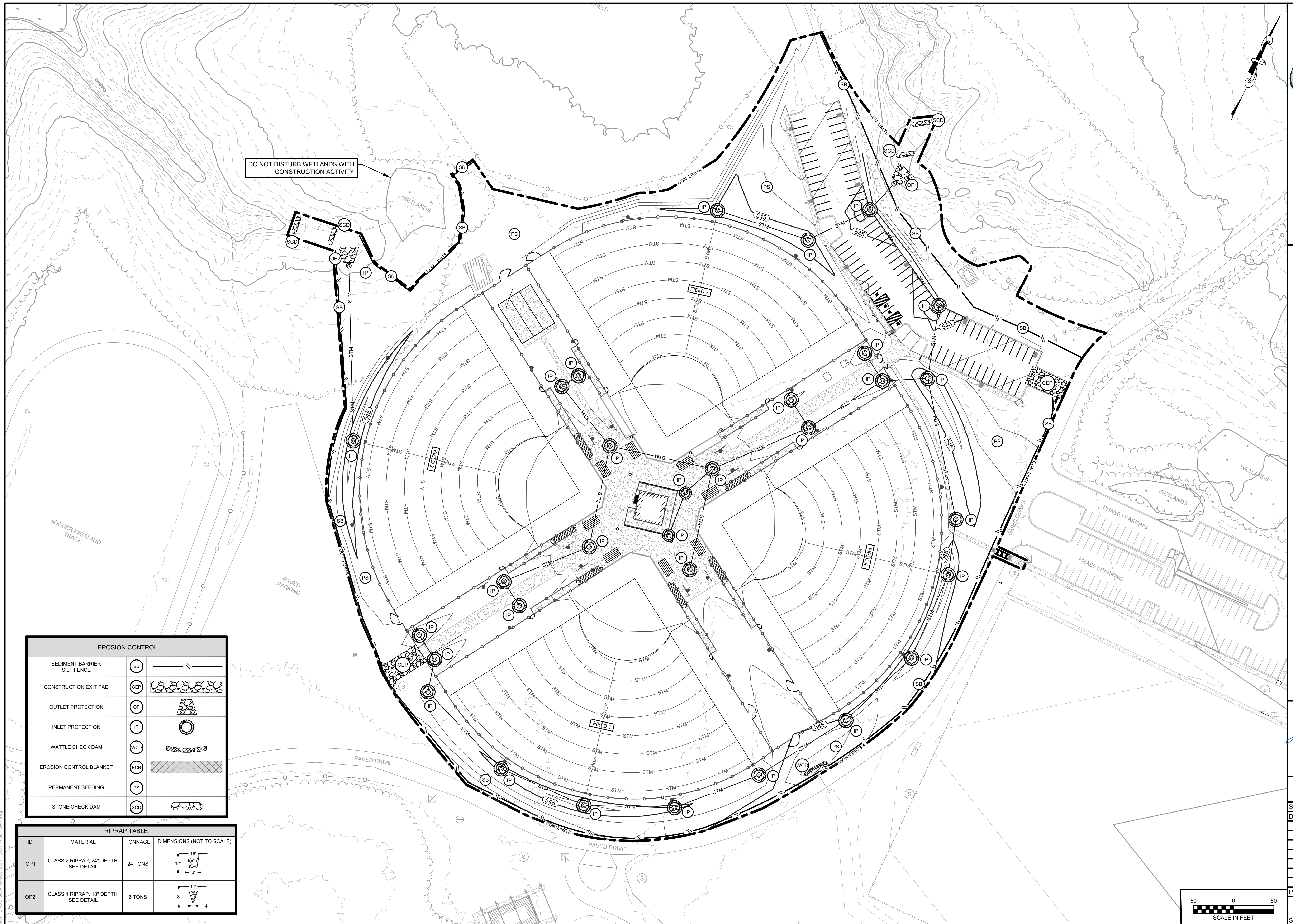
BEST MANAGEMENT PRACTICES
GADSDEN SPORTS PARK - PHASE II
CITY OF GADSDEN
ETOWAH COUNTY, ALABAMA



SCALE: AS SHOWN
DATE: NOVEMBER 2021
REVISED

PROJECT NO: R629120055

SHEET NO. C-310



DO NOT DISTURB WETLANDS WITH CONSTRUCTION ACTIVITY

EROSION CONTROL		
SEDIMENT BARRIER	SB	
SILT FENCE	SB	
CONSTRUCTION EXIT PAD	CEP	
OUTLET PROTECTION	OP	
INLET PROTECTION	IP	
WATTLE CHECK DAM	WCD	
EROSION CONTROL BLANKET	ECB	
PERMANENT SEEDING	PS	
STONE CHECK DAM	SCD	

RIPRAP TABLE			
ID	MATERIAL	TONNAGE	DIMENSIONS (NOT TO SCALE)
OP1	CLASS 2 RIPRAP, 24" DEPTH, SEE DETAIL	24 TONS	
OP2	CLASS 1 RIPRAP, 18" DEPTH, SEE DETAIL	6 TONS	



EROSION AND SEDIMENT CONTROL PLAN
GADSDEN SPORTS PARK - PHASE II
CITY OF GADSDEN
ETOWAH COUNTY, ALABAMA

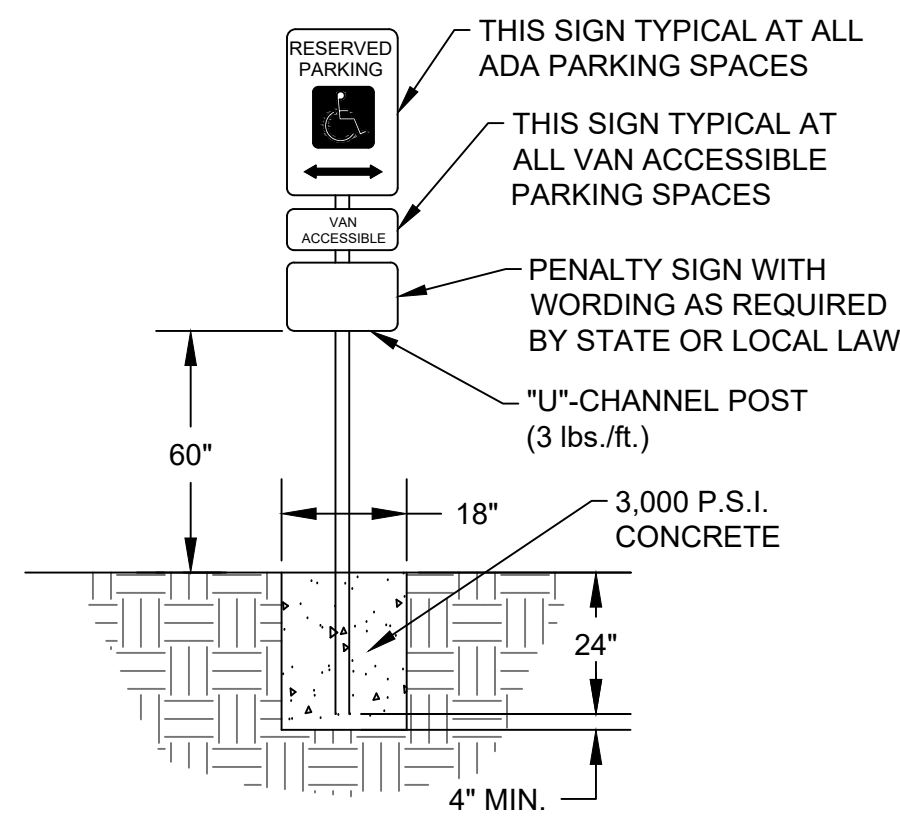


SCALE: AS SHOWN
DATE: NOVEMBER 2021
REVISED

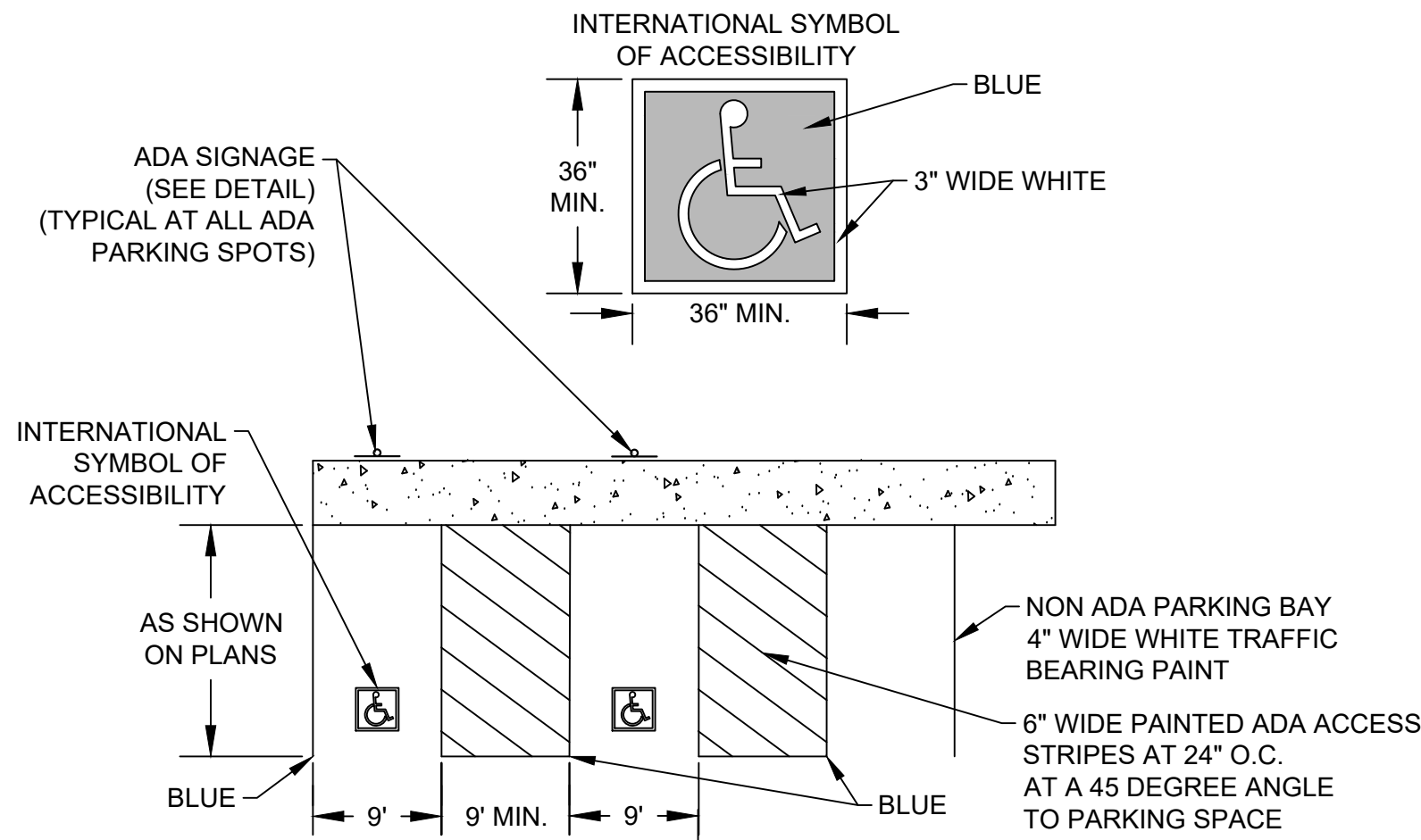
PROJECT NO: R62912065

SHEET NO. C-311

C-311. EROSION AND SEDIMENT CONTROL PLAN.dwg

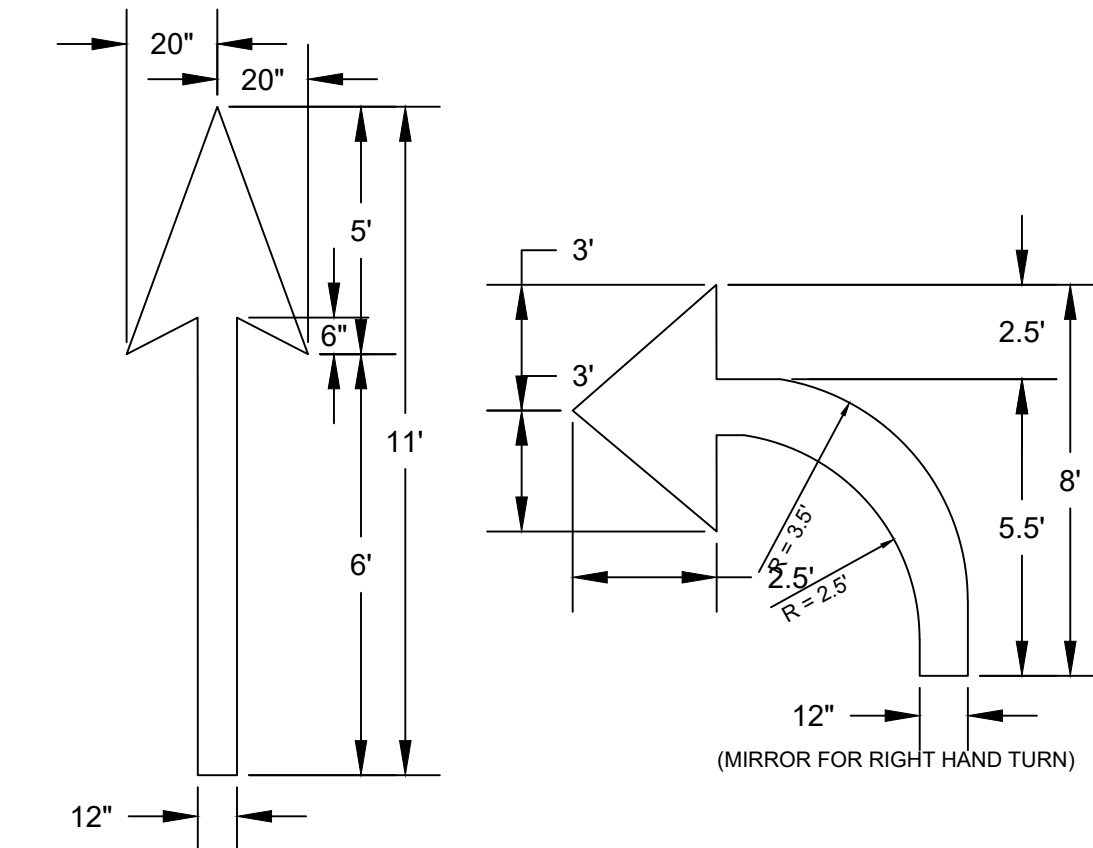


ADA SIGNAGE
NOT TO SCALE



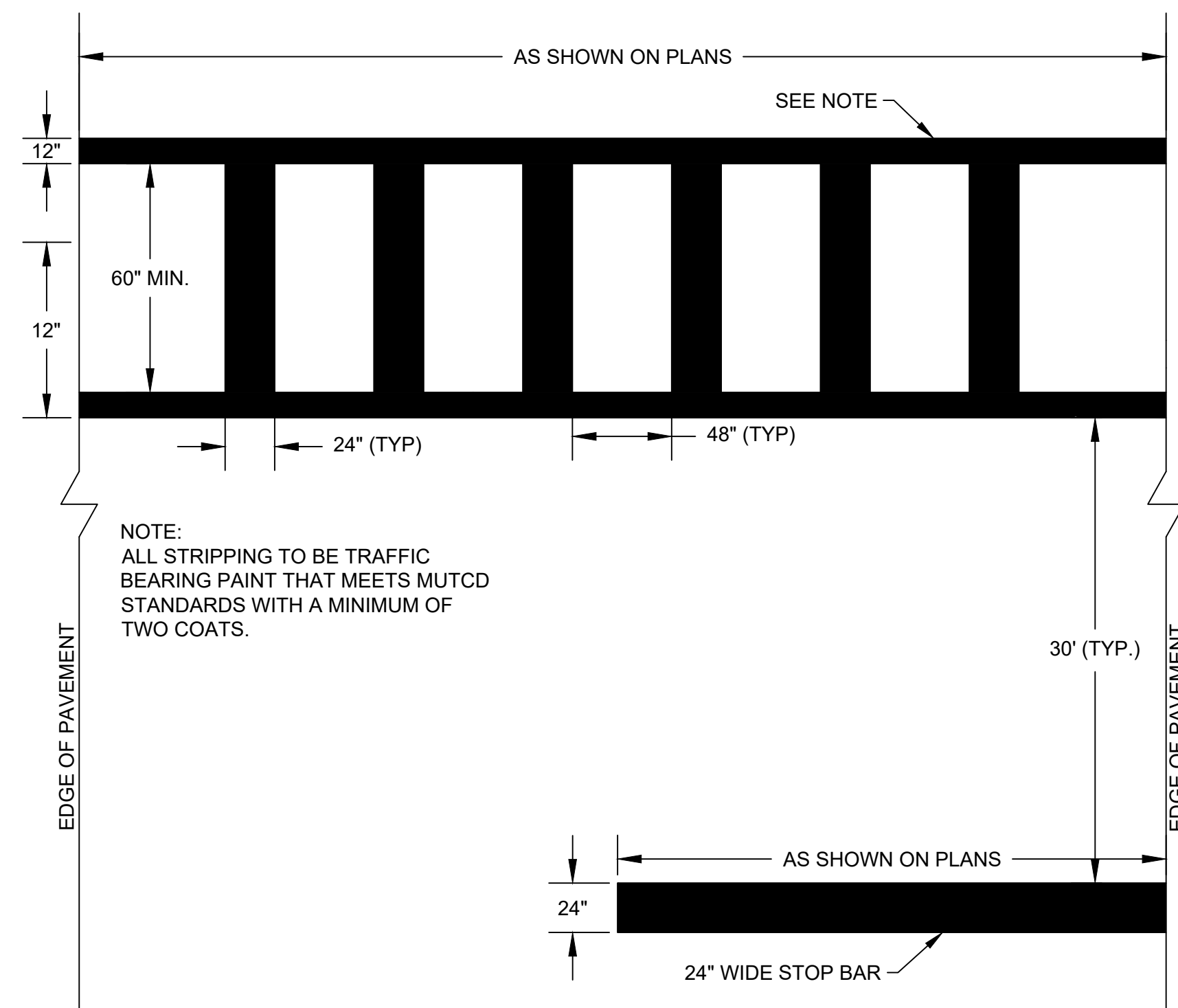
- NOTES:
1. ALL PARKING LOT STRIPING TO BE TRAFFIC BEARING PAINT.
 2. ALL PARKING LOT STRIPING SHALL BE INSTALLED USING MANUFACTURERS SPECIFICATIONS.
 3. PAINT COLOR TO BE ADA COMPLIANT BLUE
 4. ALL PARKING LOT STRIPING TO BE A MIN. OF 4" WIDE UNLESS OTHERWISE NOTED.
 5. ALL OTHER PARKING LOT STRIPING TO BE WHITE UNLESS OTHERWISE NOTED

TYPICAL STRIPING DETAILS
NOT TO SCALE



TRAFFIC LEGEND DETAILS
NOT TO SCALE

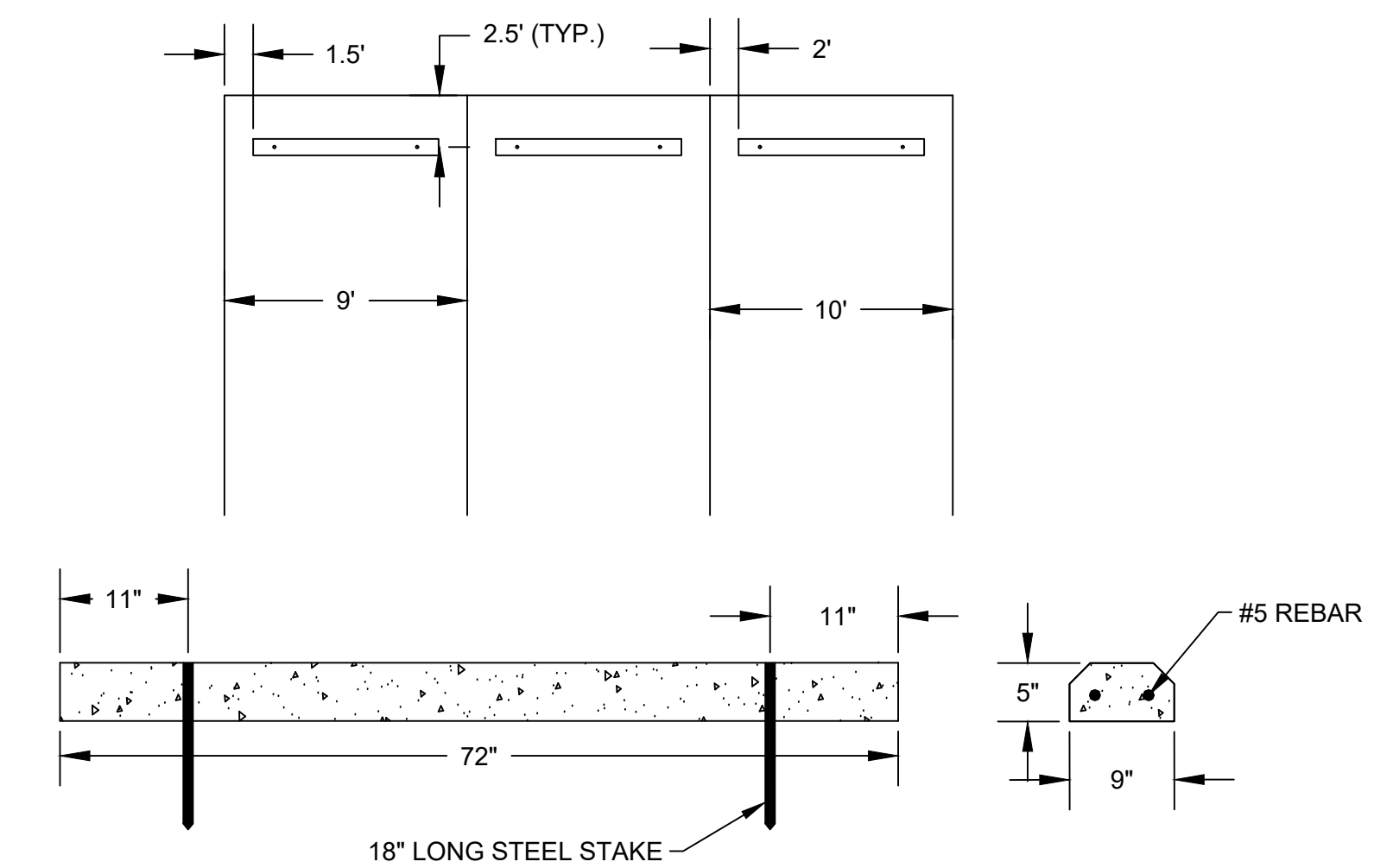
- NOTES:
1. ALL PARKING LOT STRIPING TO BE TRAFFIC BEARING PAINT.
 2. ALL PARKING LOT STRIPING SHALL BE INSTALLED USING MANUFACTURERS SPECIFICATIONS WITH A MINIMUM OF TWO COATS.
 3. TRAFFIC SYMBOLS TO BE WHITE UNLESS OTHERWISE NOTED



NOTE:
ALL STRIPPING TO BE TRAFFIC BEARING PAINT THAT MEETS MUTCD STANDARDS WITH A MINIMUM OF TWO COATS.

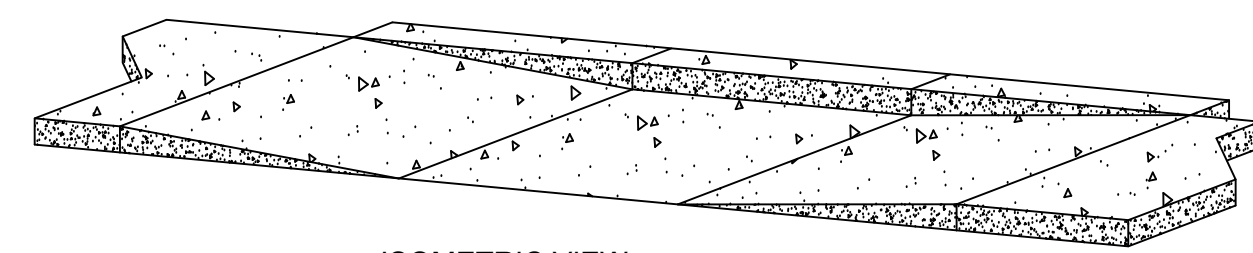
R1-5 (36" x 36") PEDESTRIAN CROSSING (YIELD) SIGN (SIGNAGE MUST MEET MUTCD STANDARDS); INSTALL ONE SIGN PER APPROACH

CROSSWALK STRIPING AND SIGNAGE
NOT TO SCALE

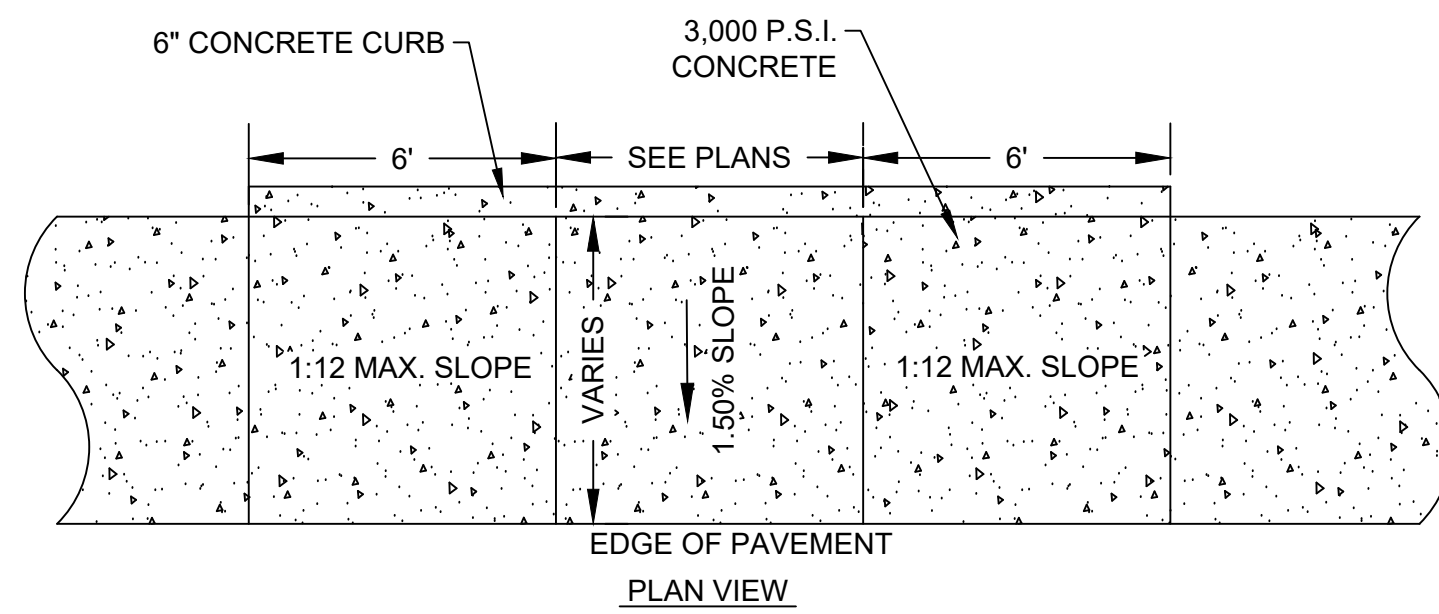


NOTE:
ALTERNATIVE DESIGN MUST BE APPROVED BY THE ENGINEER

CONCRETE PARKING BUMPER
NOT TO SCALE

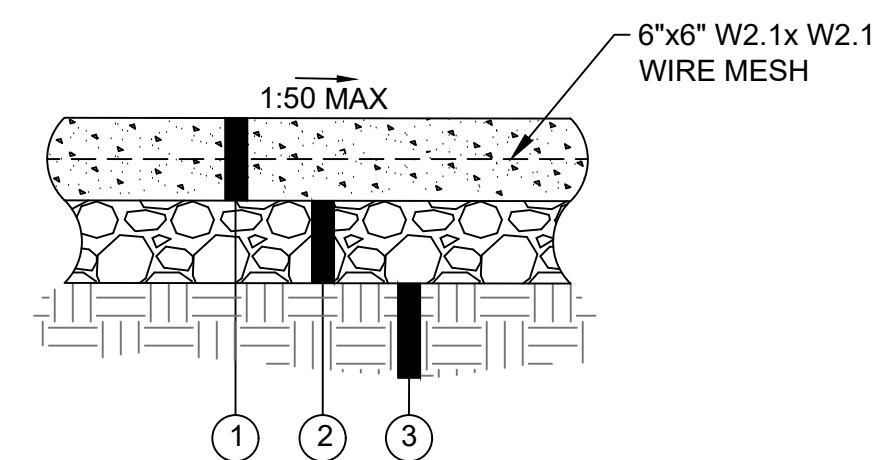


ISOMETRIC VIEW



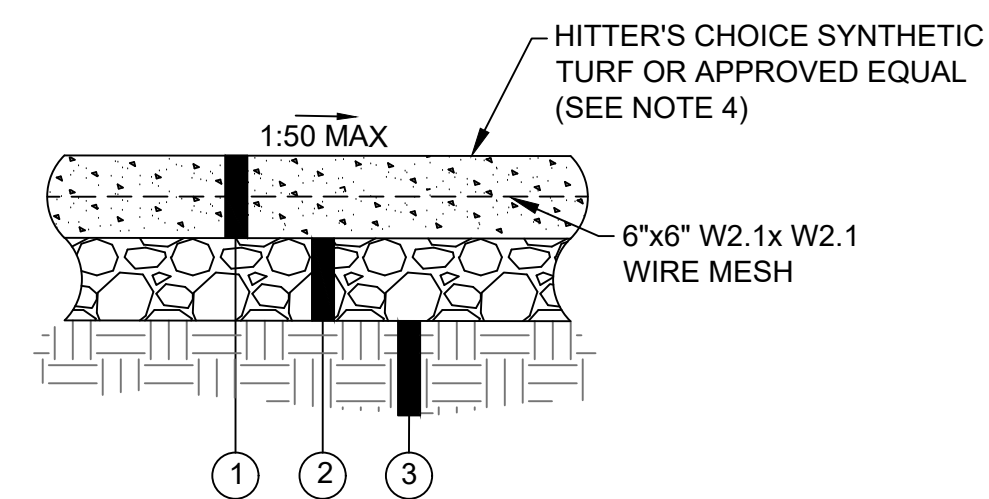
- NOTES:
 1. CROSS SLOPE SHALL NOT EXCEED 2% IN ANY DIRECTION.
 2. MUST HAVE FLUSH TRANSITIONS ON AND OFF RAMP.

ADA ACCESSIBLE PARALLEL RAMP
NOT TO SCALE



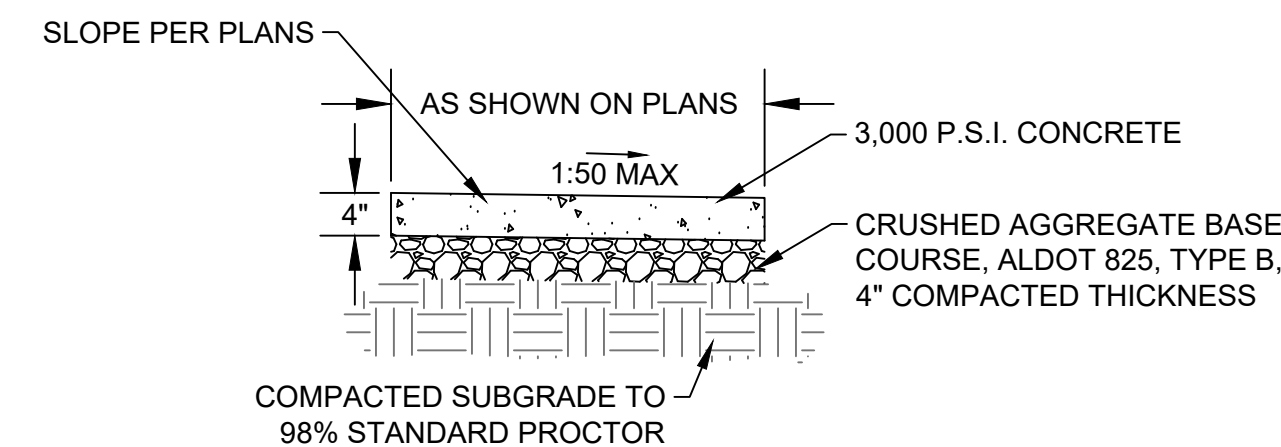
- ① HEAVY-DUTY CONCRETE PAVEMENT (4,000 P.S.I.), 6" THICK
- ② CRUSHED AGGREGATE BASE COURSE, ALDOT 825, TYPE B, 4" COMPACTED THICKNESS (COMPACTED 100% MODIFIED PROCTOR)
- ③ SUB-GRADE (COMPACTED TO 98% STANDARD PROCTOR)
- ④ SEE ARCHITECTURAL PLANS FOR JOINT LAYOUT PLAN

CONCRETE PAVEMENT SECTION
NOT TO SCALE



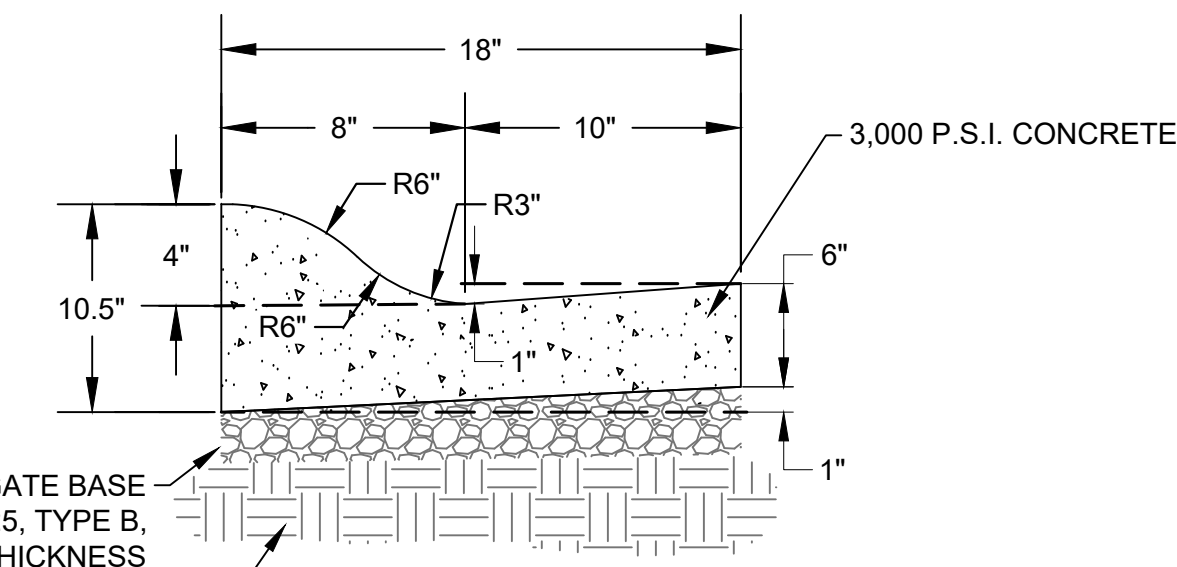
- ① HEAVY-DUTY CONCRETE PAVEMENT (4,000 P.S.I.), 6" THICK
- ② CRUSHED AGGREGATE BASE COURSE, ALDOT 825, TYPE B, 4" COMPACTED THICKNESS (COMPACTED 100% MODIFIED PROCTOR)
- ③ SUB-GRADE (COMPACTED TO 98% STANDARD PROCTOR)
- ④ ALL EXPOSED CONCRETE SURFACES WITHIN BATTING CAGE OR BULLPEN LIMITS TO RECEIVE HITTER'S CHOICE SYNTHETIC BATTING CAGE TURF, OR APPROVED EQUAL. TURF TO BE GLUED DIRECTLY TO CONCRETE SURFACES PER MANUFACTURER RECOMMENDATIONS.

CONCRETE PAVEMENT SECTION
FOR BULLPENS AND BATTING CAGES
NOT TO SCALE



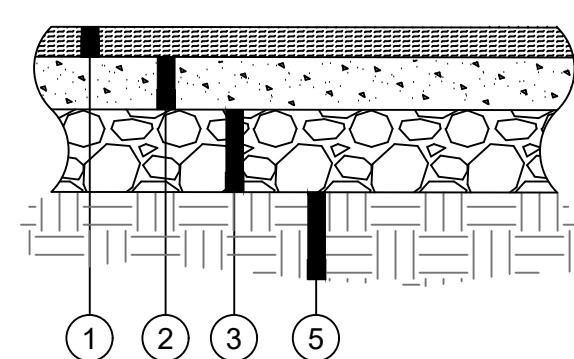
- NOTES:
 1. CUT 1/2" TRANSVERSE DUMMY JOINTS AT 6'-0" O.C.
 2. EXPANSION JOINTS REQUIRED AT 30' O.C.
 3. CRUSHED AGGREGATE BASE COURSE IS NOT REQUIRED IF SUBGRADE MATERIALS ARE AASHTO A-4 OR BETTER AND APPROVED BY PROFESSIONAL ENGINEER.

CONCRETE SIDEWALK
NOT TO SCALE



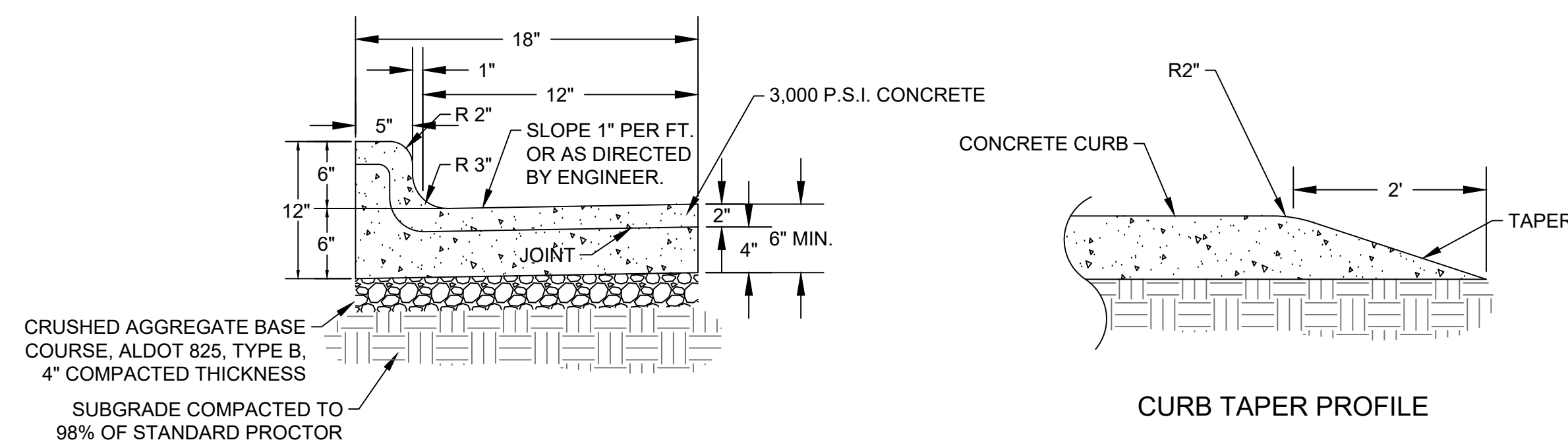
- NOTES:
 1. CUT 1/2" TRANSVERSE DUMMY JOINTS AT 6'-0" O.C.
 2. EXPANSION JOINTS REQUIRED AT 30' O.C.
 3. CRUSHED AGGREGATE BASE COURSE IS NOT REQUIRED IF SUBGRADE MATERIALS ARE AASHTO A-4 OR BETTER AND APPROVED BY PROFESSIONAL ENGINEER.

MOUNTABLE CURB AND GUTTER
NOT TO SCALE



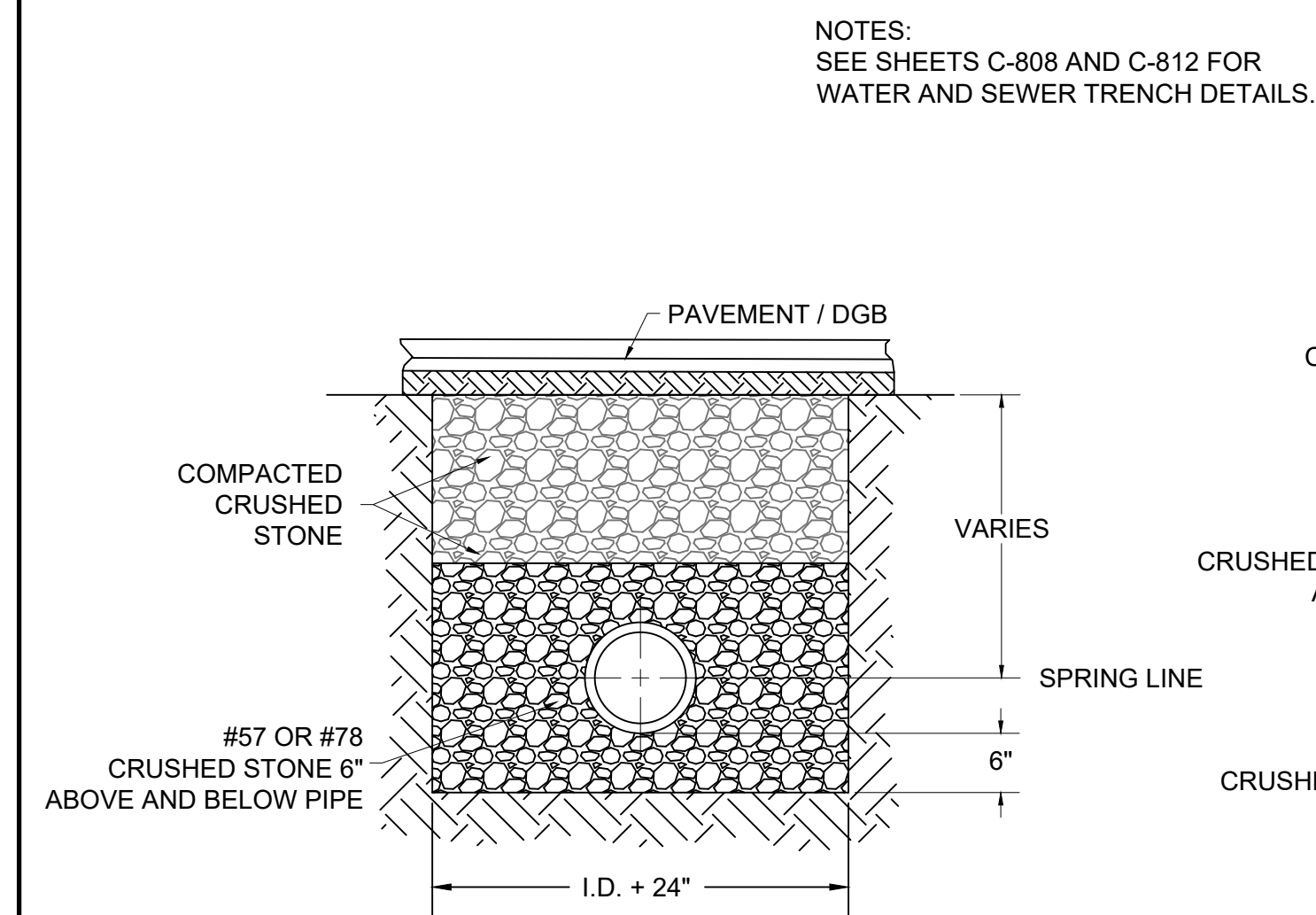
- ① BITUMINOUS CONCRETE WEARING SURFACE LAYER (APPROX. 165 LBS./S.Y.), TYPE 424A MAXIMUM AGGREGATE SIZE 1/2" ESAL RANGE A/B, AS PER ALDOT SSHC 2012 OR LATER
- ② BITUMINOUS CONCRETE UPPER BINDER LAYER (APPROX. 275 LBS./S.Y.), TYPE 424B, MAXIMUM AGGREGATE SIZE 3/4", ESAL RANGE A/B, AS PER ALDOT SSHC 2012 OR LATER
- ③ CRUSHED AGGREGATE BASE COURSE, ALDOT 825, TYPE B, 6" COMPACTED THICKNESS, AS PER ALDOT SSHC 2012 OR LATER (COMPACTED 100% MODIFIED PROCTOR)
- ④ SUB-GRADE (COMPACTED 98% STANDARD PROCTOR)

TYPICAL LIGHT DUTY
BITUMINOUS PAVEMENT SECTION
NOT TO SCALE

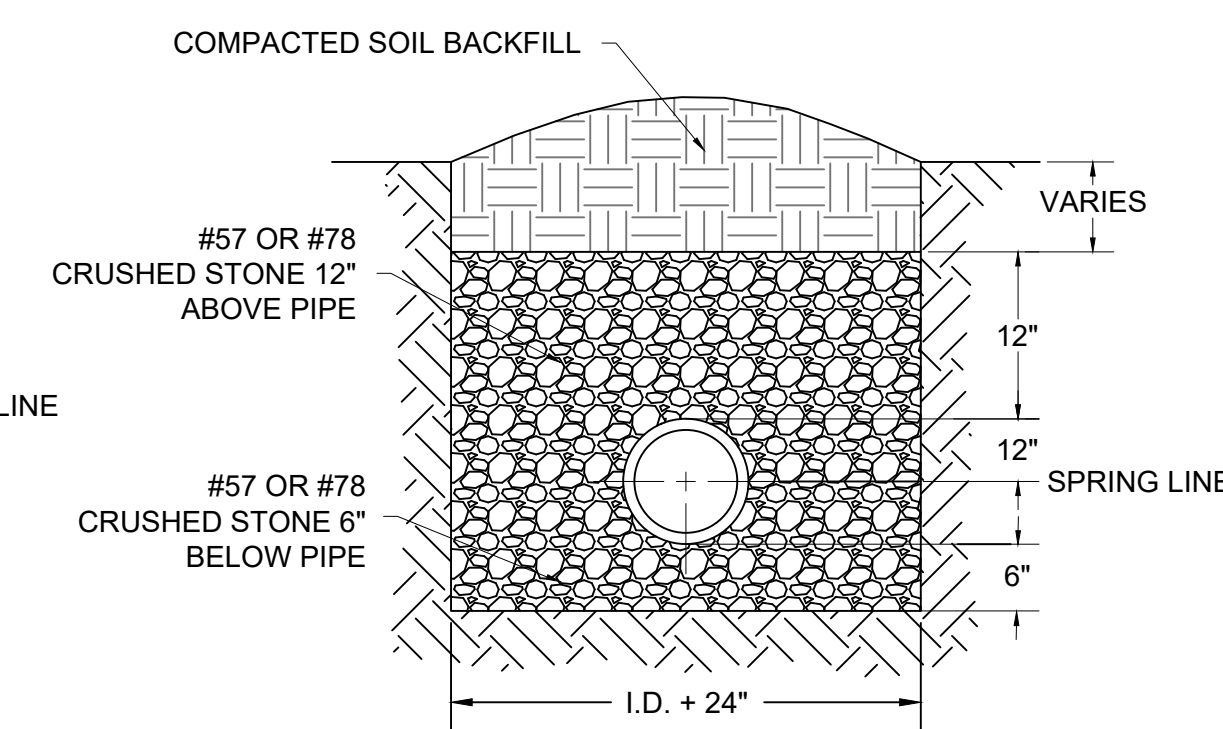


- NOTES:
 1. CUT 1/2" TRANSVERSE DUMMY JOINTS AT 6'-0" O.C.
 2. EXPANSION JOINTS REQUIRED AT 30' O.C.
 3. CRUSHED AGGREGATE BASE COURSE IS NOT REQUIRED IF SUBGRADE MATERIALS ARE AASHTO A-4 OR BETTER AND APPROVED BY PROFESSIONAL ENGINEER.

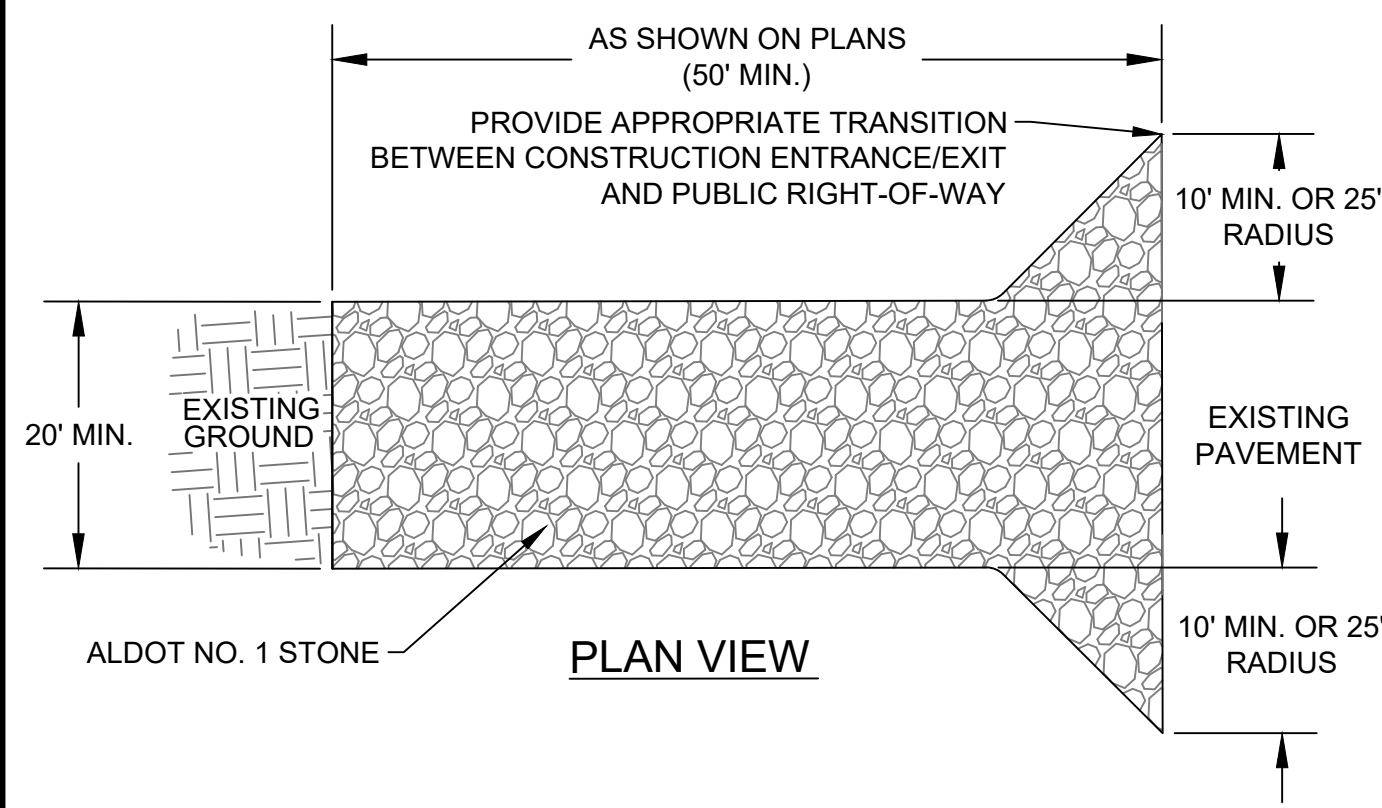
18" COMBINATION CURB AND GUTTER
NOT TO SCALE



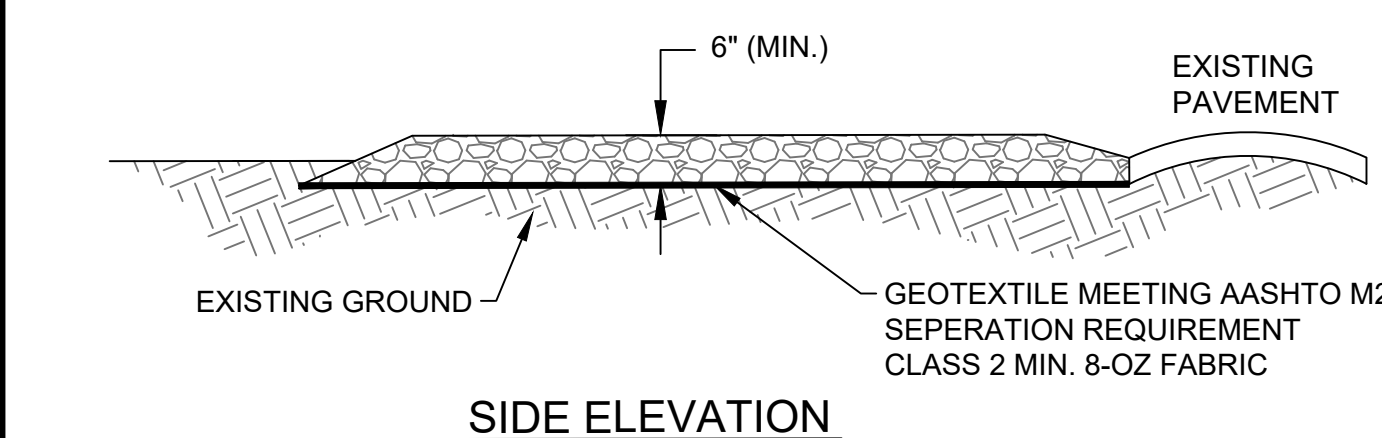
EMBEDMENT REQUIREMENTS
FOR RCP AND HDPE PIPE AT ALL DEPTHS
UNDER PAVEMENT
NOT TO SCALE



EMBEDMENT REQUIREMENTS
FOR RCP AND HDPE PIPE AT ALL DEPTHS NOT UNDER PAVEMENT
NOT TO SCALE

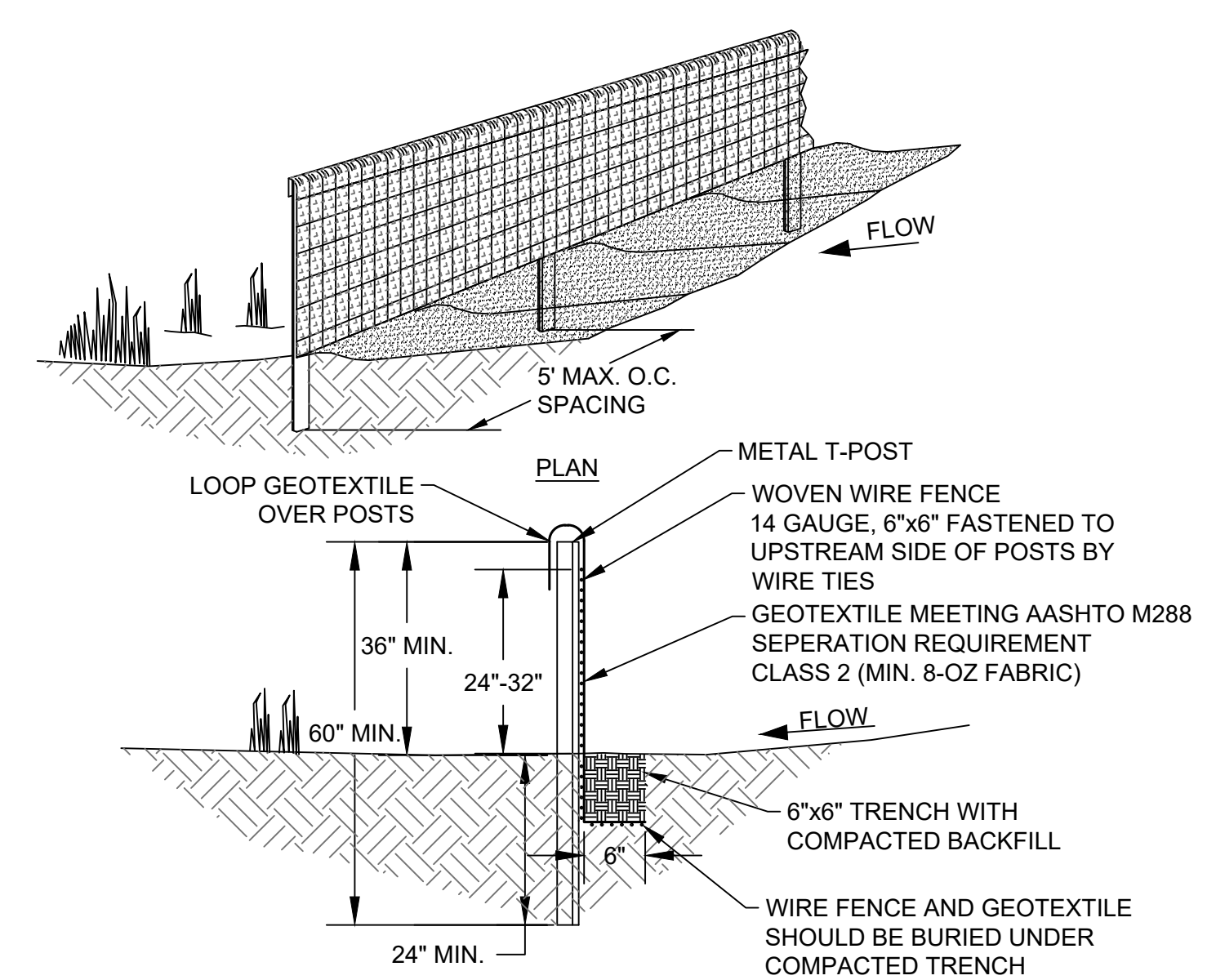


- NOTES:**
1. STONE - ALDOT NO. 1 (2 - 3 INCHES)
 2. LENGTH - 50' MIN
 3. THICKNESS - 6" MIN.
 4. WASHING - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURSE THROUGH USE OF SAND BAGS, GRAVEL, BOARDS OR OTHER APPROVED METHODS.
 5. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.



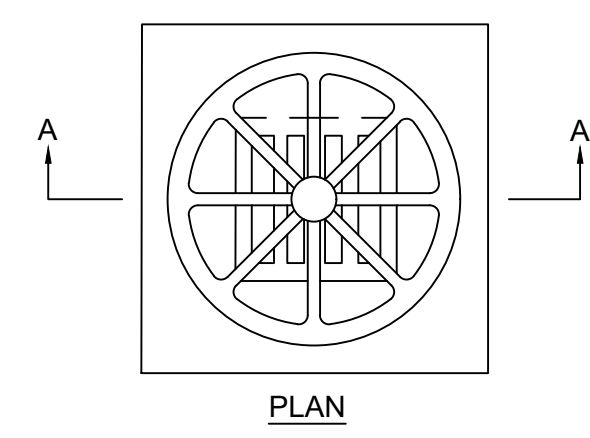
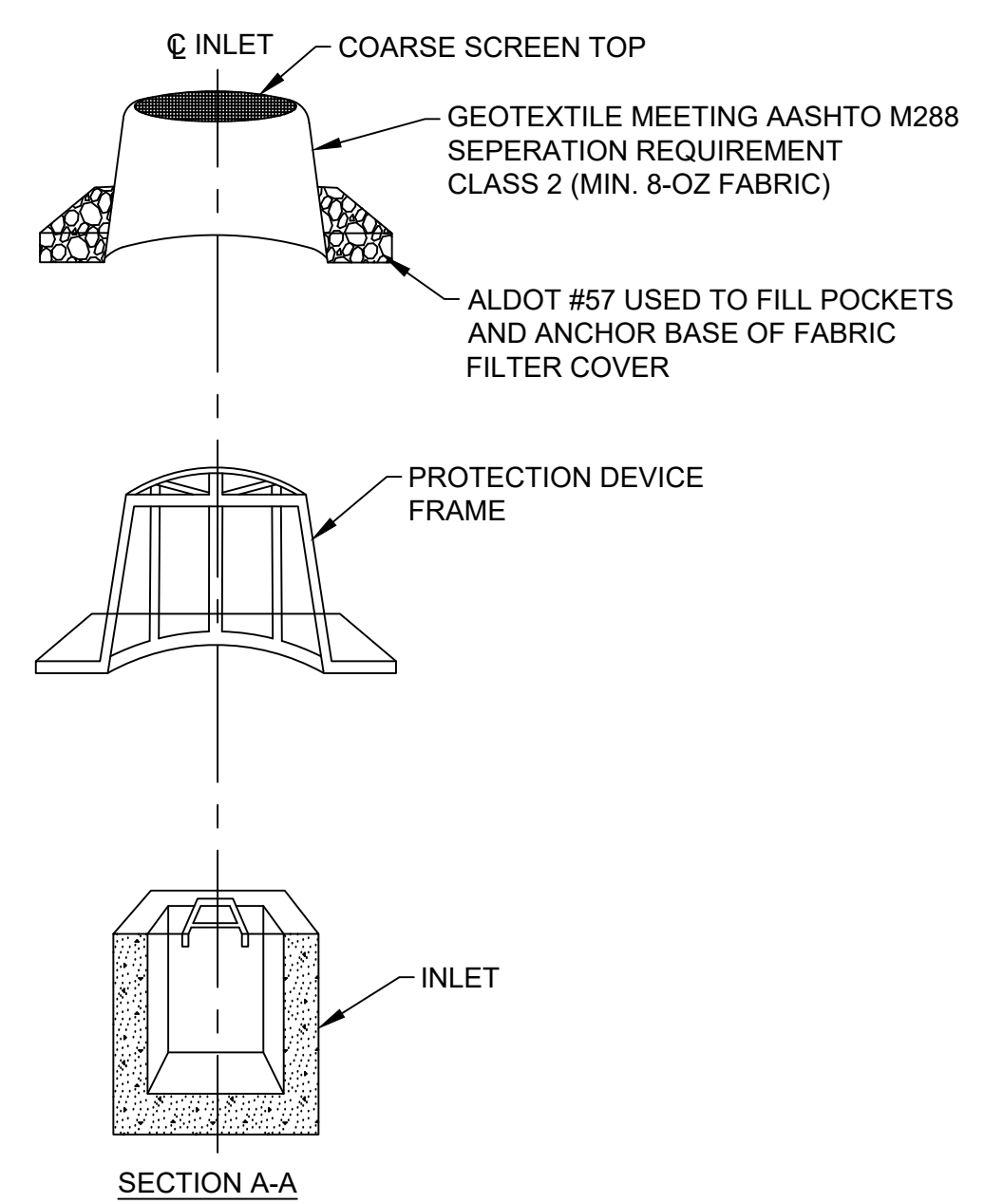
STONE CONSTRUCTION EXIT PAD
 NOT TO SCALE

- NOTES:**
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" MAX. RECOMMENDED STORAGE HEIGHT.
 2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
 3. SILT FENCE WIRE FABRIC JOINTS SHALL OVERLAP A MIN. OF 2' AT POST AND FASTENED WITH MIN. 3 FASTENERS AND FILTER FABRIC SHALL OVERLAP A MIN. 2' AND FASTENED WITH MIN. 2 FASTENERS.

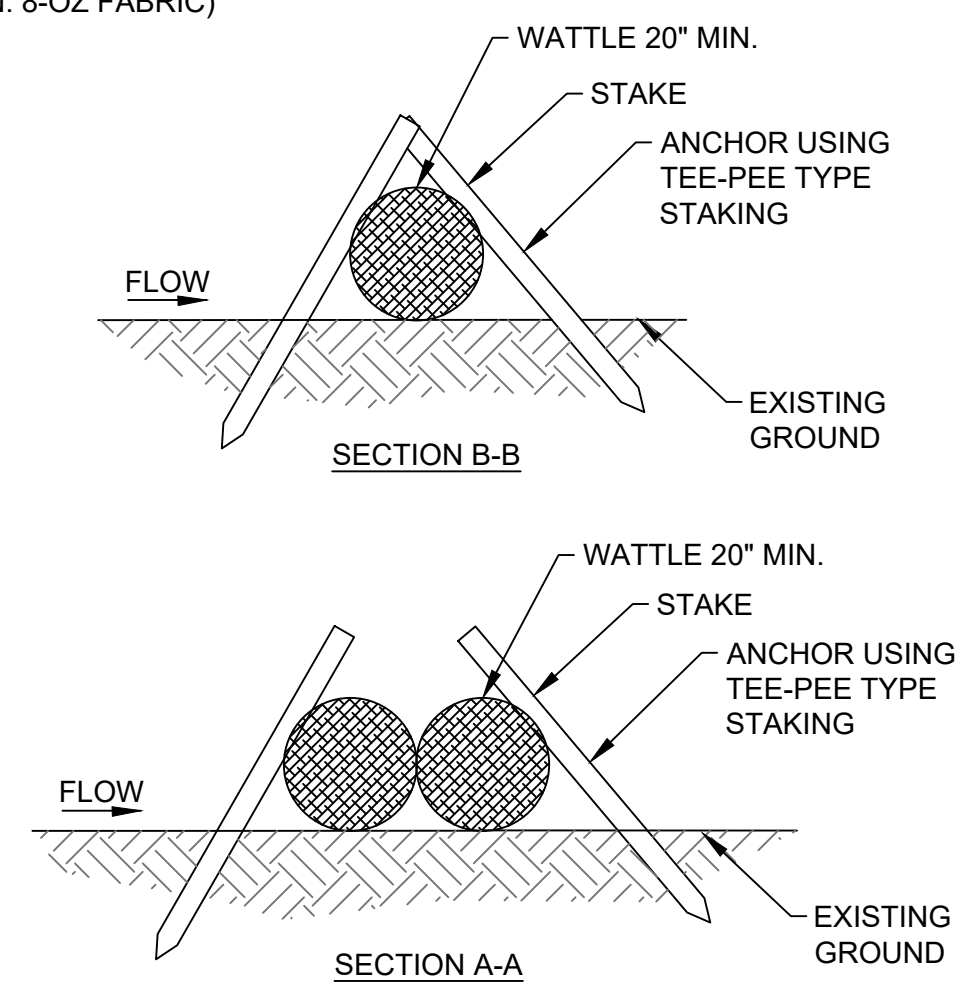
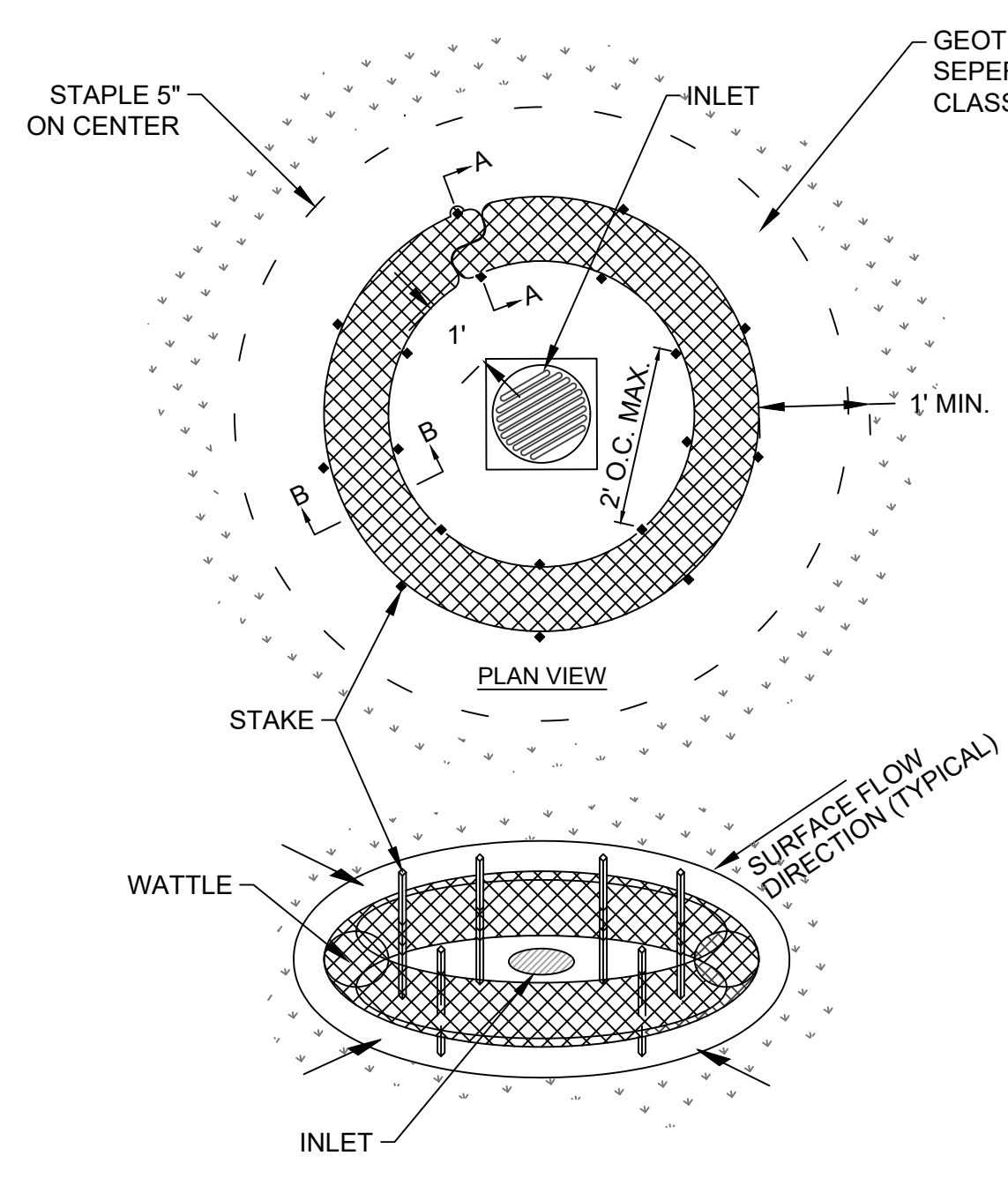


TYPE "A" SILT FENCE DETAIL
 NOT TO SCALE

- NOTES:**
1. FRAMES WITH EITHER SQUARE OR CIRCULAR BASES MAY BE USED. SELECTED FRAME BASE SHOULD PROVIDE BEST SEAL AROUND INLET AS DIRECTED BY OWNER'S REPRESENTATIVE.
 2. FILL POCKETS AROUND BASE OF FILTER COVER WITH ALDOT #57 STONE OR SOIL. STONE IS REQUIRED WHEN ANCHORING THE MANUFACTURED INLET PROTECTION DEVICE OVER PAVED DITCH OR FLUME.
 3. USE ONLY DURING STAGE 3 AND 4 INLET CONSTRUCTION.
 4. REMOVE SEDIMENT FROM AROUND THE MANUFACTURED INLET PROTECTION DEVICE WHEN SEDIMENT HAS REACHED 1/2 THE FABRIC HEIGHT TAKING CARE NOT TO DAMAGE THE FABRIC DURING SEDIMENT REMOVAL.
 5. REPLACE FABRIC WHEN DAMAGED OR BECOMES CLOGGED WITH SEDIMENT AND DOES NOT DRAIN PROPERLY.



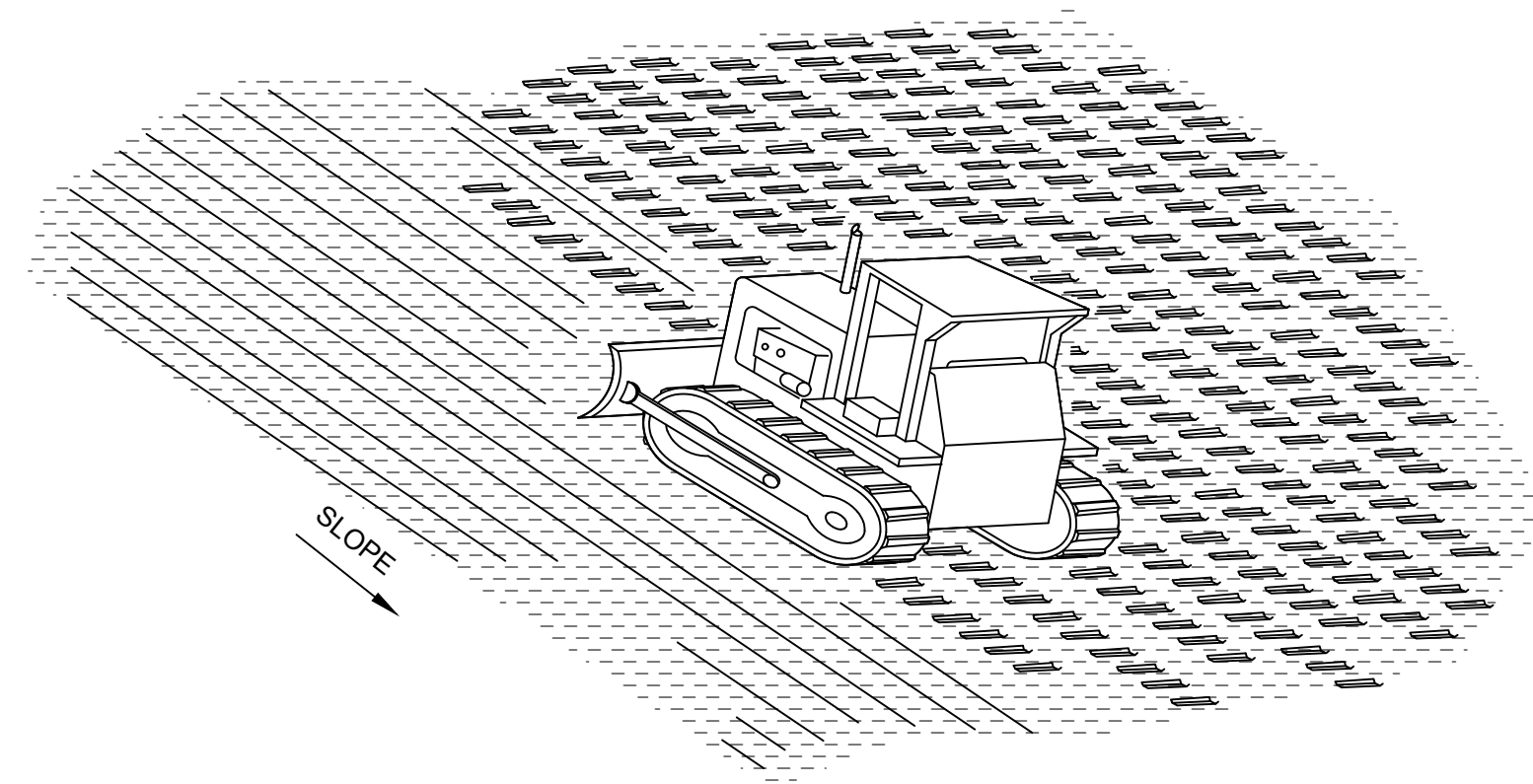
MANUFACTURED DEVICE INLET PROTECTION
 NOT TO SCALE



WATTLE INLET PROTECTION
 NOT TO SCALE

- NOTES:**
1. ANCHORING STAKES SHALL BE SIZED, SPACED, AND BE A MATERIAL THAT EFFECTIVELY SECURES THE WATTLE. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET.
 2. OVERLAP ENDS OF WATTLES PER MANUFACTURERS RECOMMENDATIONS (1' MIN., 3' MAX.)
 3. SEDIMENT DEPOSITS MUST BE REMOVED AND STABILIZED WHEN THEY REACH A DEPTH OF 1/2 THE HEIGHT OF THE WATTLE TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN EVENT.
 4. WORN, DAMAGED, OR ROTTEN WATTLES MUST BE REPLACED.

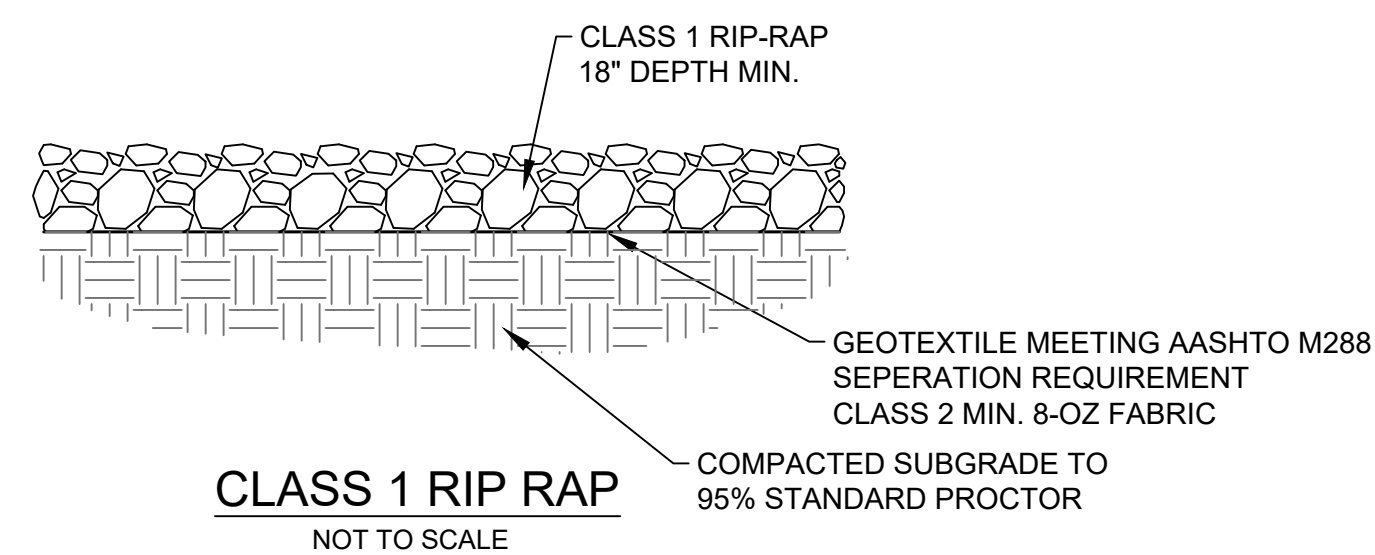
C:\801 CONSTRUCTION DETAILS.dwg



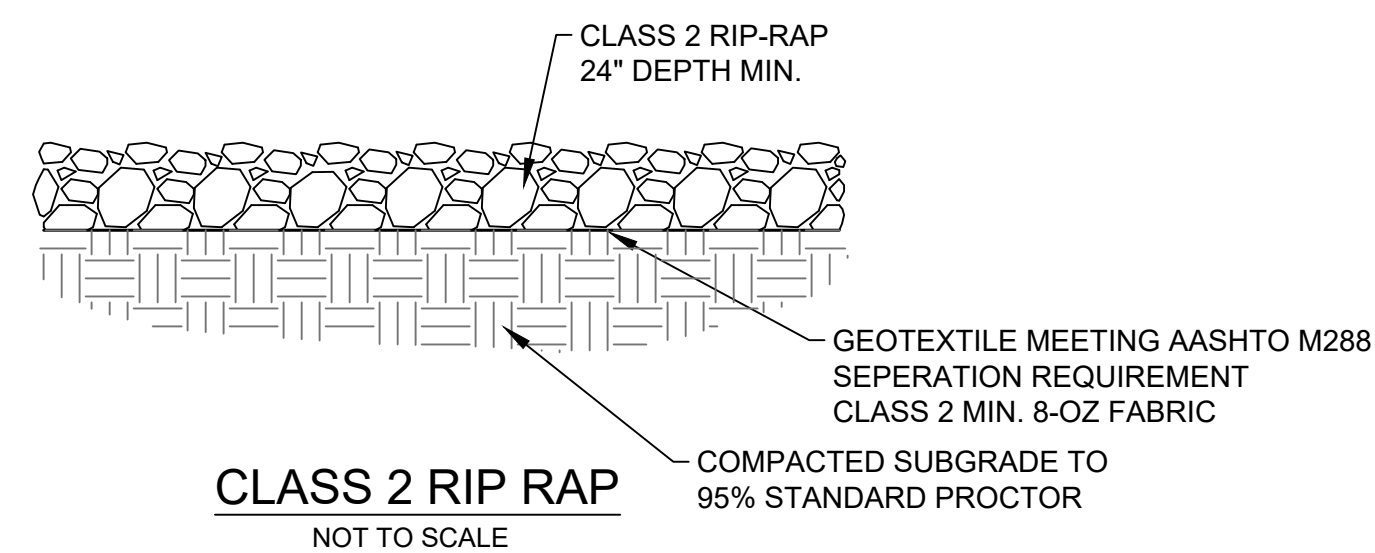
NOTES:

1. USE DOZER TRACKS TO CREATE GROOVES PERPENDICULAR TO THE SLOPE. GROOVES WILL CATCH SEED, FERTILIZER, MULCH, RAINFALL AND DECREASE SEDIMENT IN RUNOFF.
2. ALL SLOPES 3:1 OR STEEPER SHALL BE "TRACK-WALKED" PRIOR TO ANY TEMPORARY SEEDING OR AFTER PLACEMENT OF FINAL TOPSOIL LAYER IN AREAS TO BE HYDRO-SEEDED.

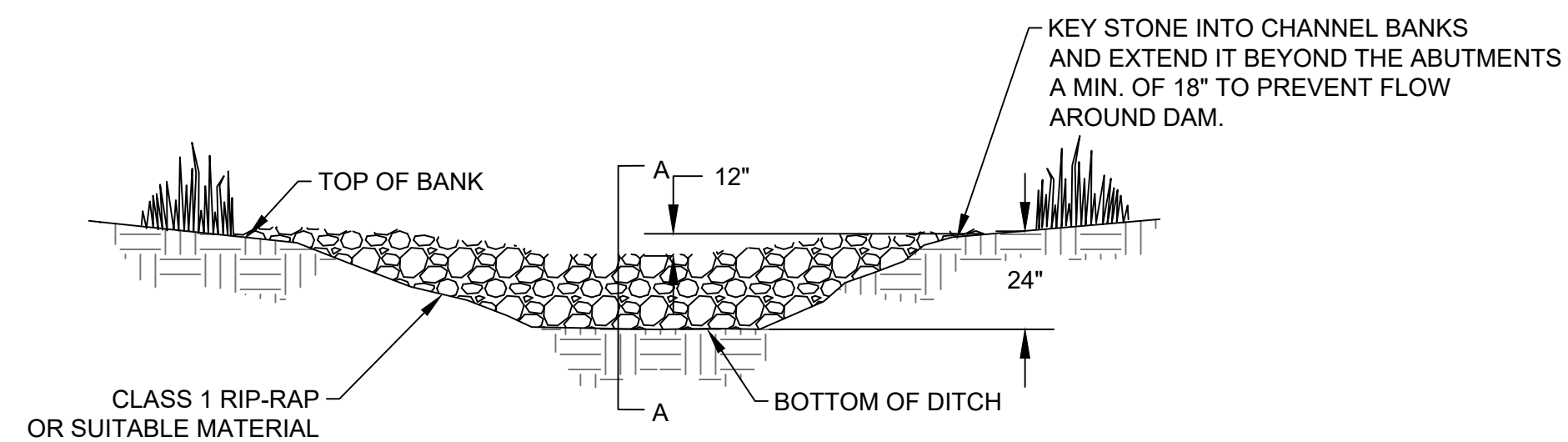
TRACK WALKING
NOT TO SCALE



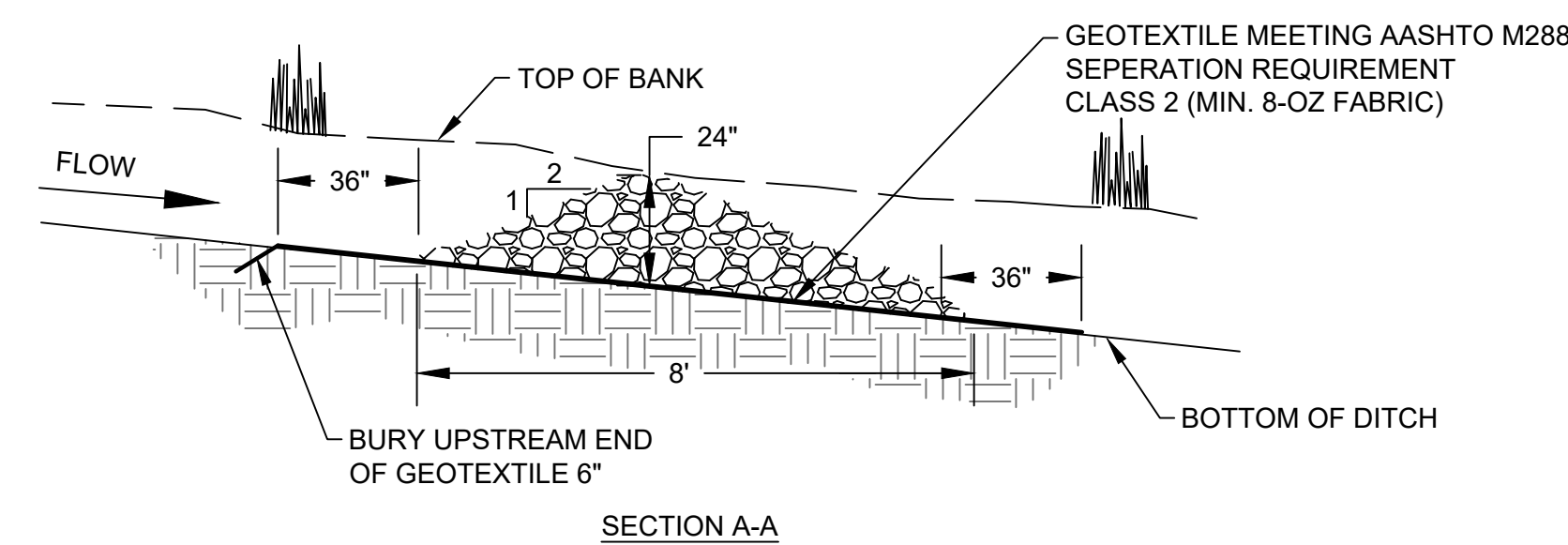
CLASS 1 RIP RAP
NOT TO SCALE



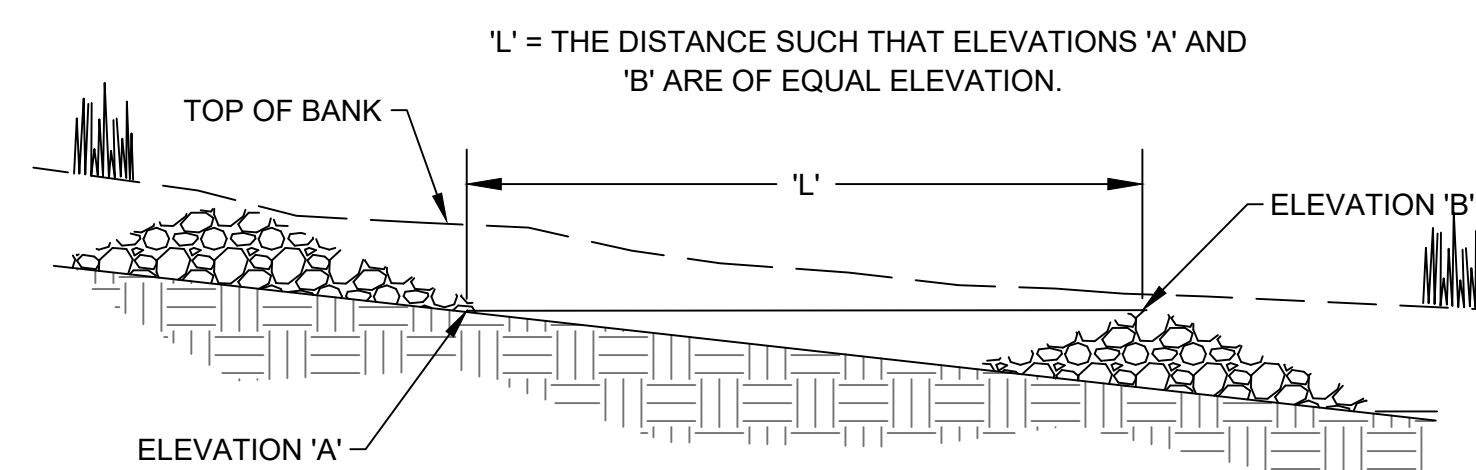
CLASS 2 RIP RAP
NOT TO SCALE



VIEW LOOKING UPSTREAM

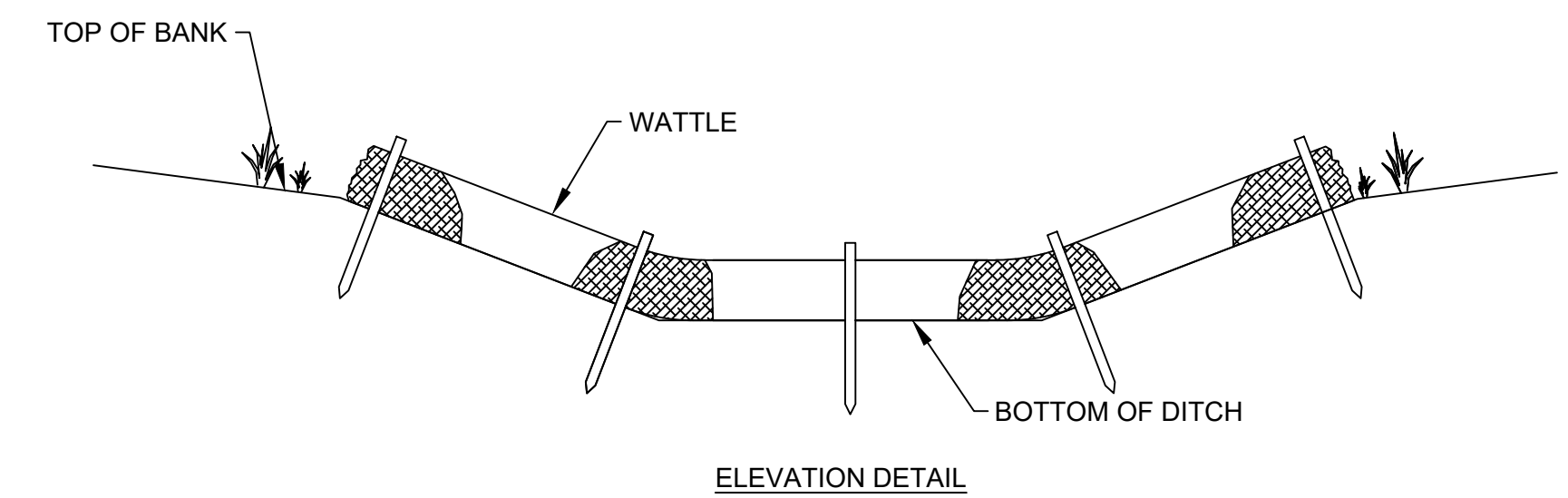
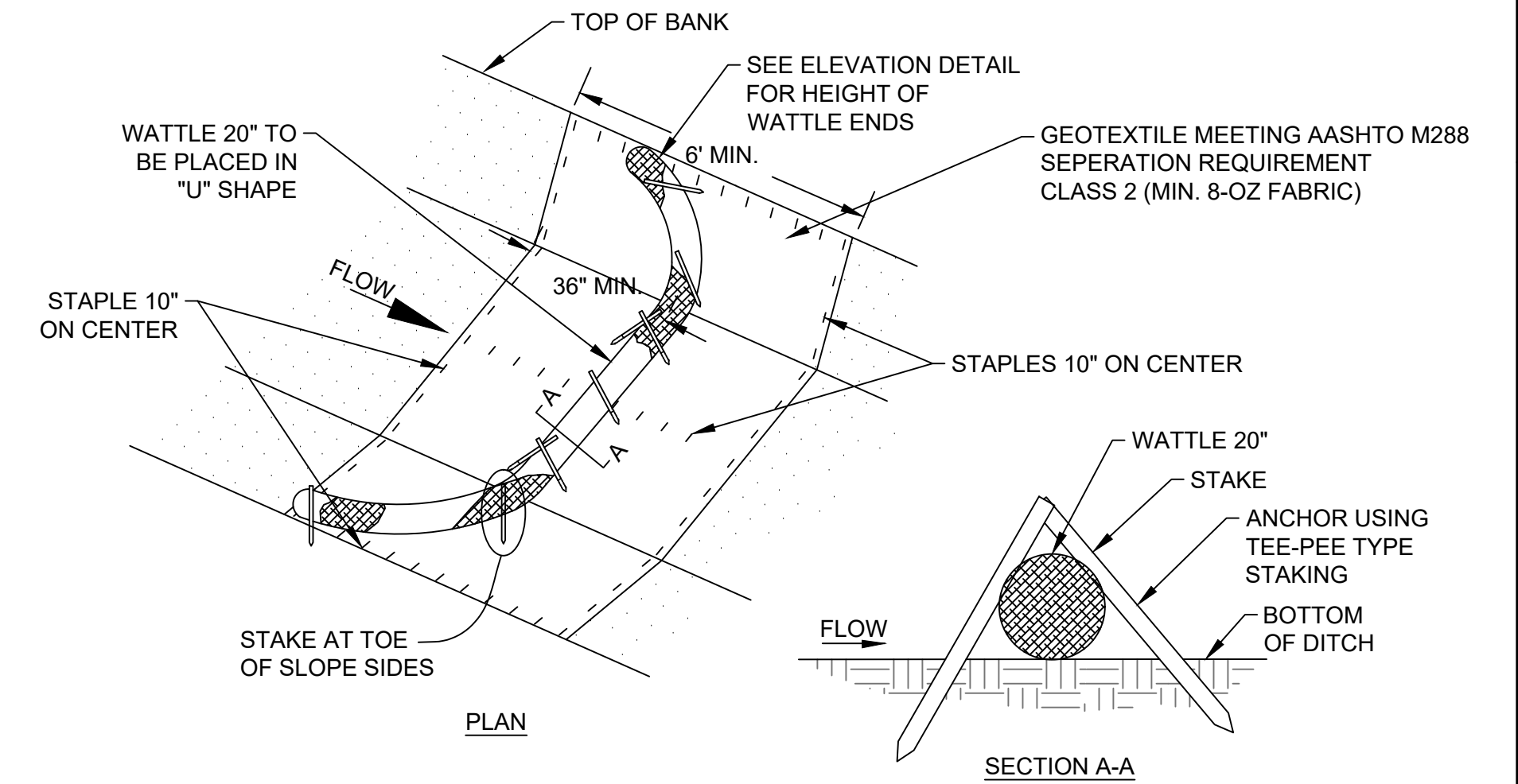


SECTION A-A



SPACING BETWEEN CHECK DAMS

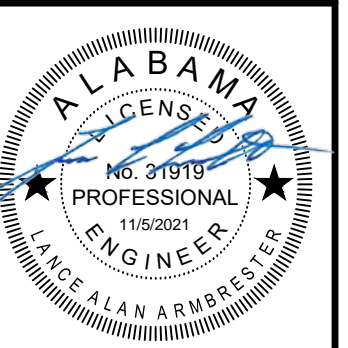
STONE CHECK DAM
NOT TO SCALE



NOTES:

1. MINIMUM RECOMMEND PLACEMENT INTERVAL BETWEEN WATTLE DITCH CHECK IS 100' UNLESS SHOWN OTHERWISE ON THE PLANS OR APPROVED BY THE ENGINEER.
2. ANCHORING STAKE SHALL BE SIZED, SPACED, DRIVEN AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE WATTLE. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET AND USE NON-DESTRUCTIVE TEE-PEE TYPE STAKING. ALL NON-DEGRADABLE MATERIALS SHALL BE REMOVED WHEN NO LONGER NEEDED.
3. WATTLES MUST BE STAPLED WITH SOD STAPLES ON 10-INCH CENTERS ON EACH SIDE OF THE WATTLE TO PREVENT FLOATATION.
4. WATTLES SHOULD NOT BE USED IN HARD BOTTOM CHANNELS.
5. FOR USE IN LOW TO MEDIUM FLOW CONDITIONS.

STRAW WATTLE CHECK DAM
NOT TO SCALE

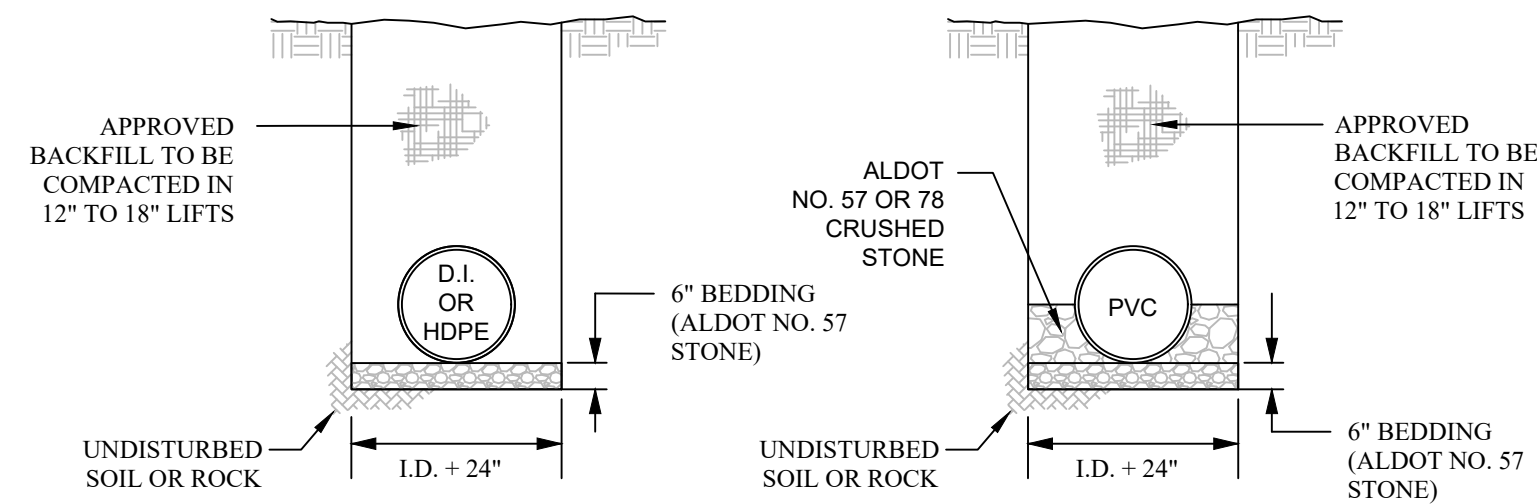


SCALE: AS SHOWN
DATE: NOVEMBER 2021
REVISED

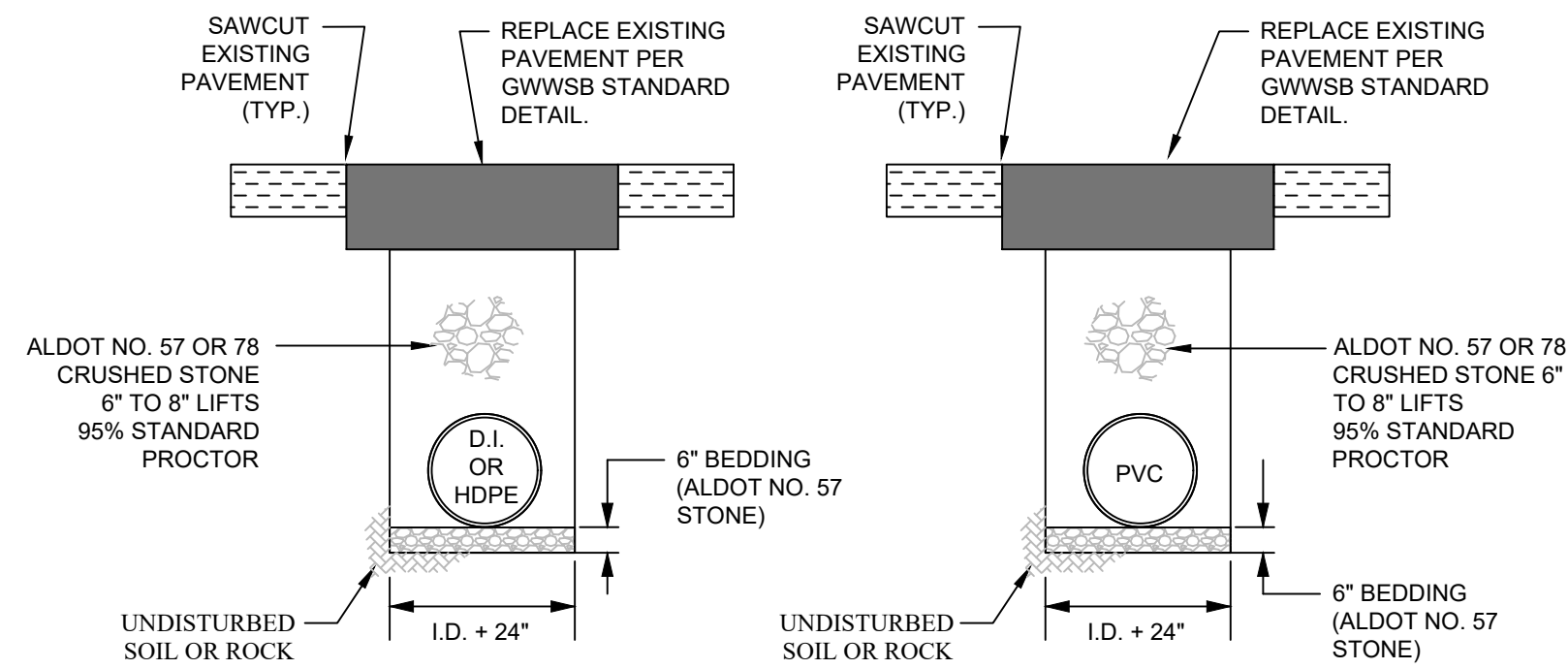
PROJECT NO: R628120055

SHEET NO. C-805

TRENCH DETAIL FOR GRAVITY SEWER MAINS



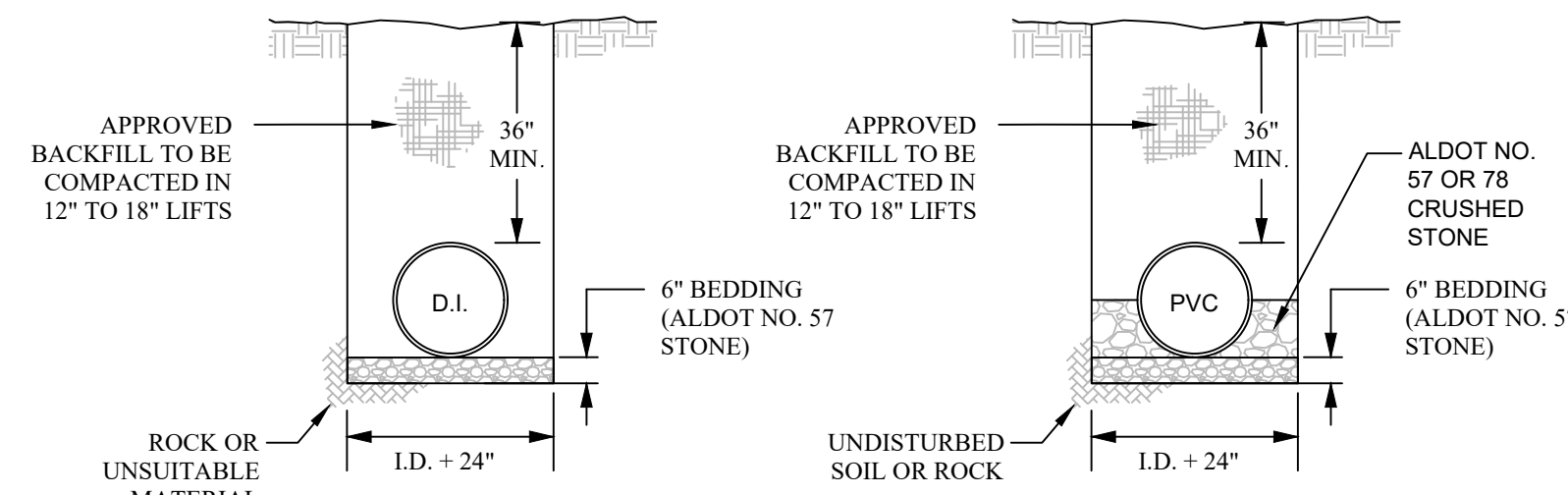
UN-PAVED TRENCH



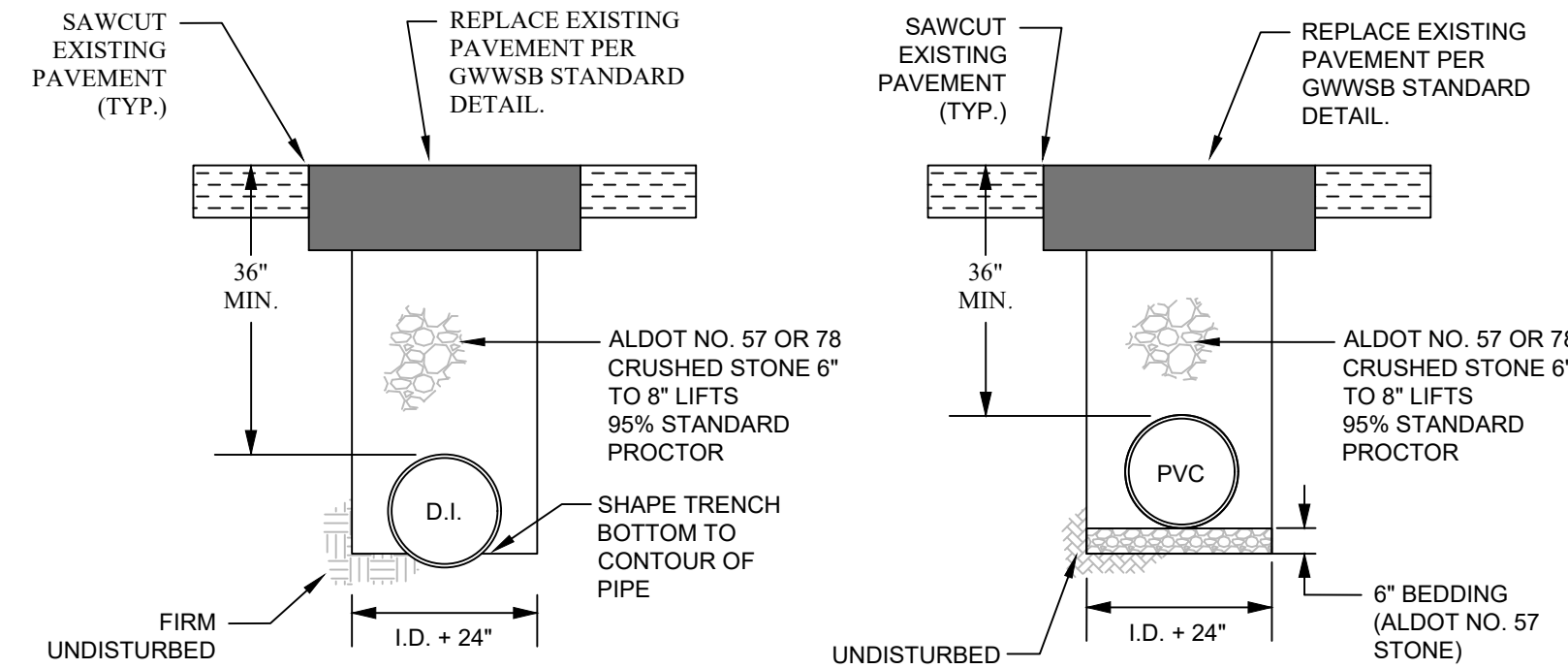
PAVED TRENCH

- NOTES:**
- BEDDING MATERIAL SHALL BE ALDOT NO. 57 CRUSHED STONE PER ALDOT STANDARD SPECIFICATIONS.
 - TRENCH WIDTH VARIES BASED ON WALL STABILITY. STABLE WALLS WIDTH AS NEEDED TO JOIN PIPE AND COMPACT HAUNCHING AND INITIAL BACKFILL. THE TRENCH WIDTH AT UNSTABLE WALLS SHOULD BE A MINIMUM FIVE TIMES PIPE DIAMETER.
 - FLOWABLE FILL CAN BE USED AS BACKFILL WITH PRIOR APPROVAL AND MUST BE ALLOWED 24 HOURS TO CURE PRIOR TO BACKFILLING.
 - APPROVED BACKFILL MATERIAL INCLUDES ALDOT NO. 57 CRUSHED STONE, FLOWABLE FILL AND APPROVED SOIL. ALTERNATIVE MATERIAL MUST BE PRE-APPROVED.
 - FLOWABLE FILL SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 50 PSI TO 200 PSI.
 - EXISTING ASPHALT SHALL BE REPLACED IN ACCORDANCE WITH GWWSB STANDARD DETAILS.

TRENCH DETAIL FOR WATER MAINS



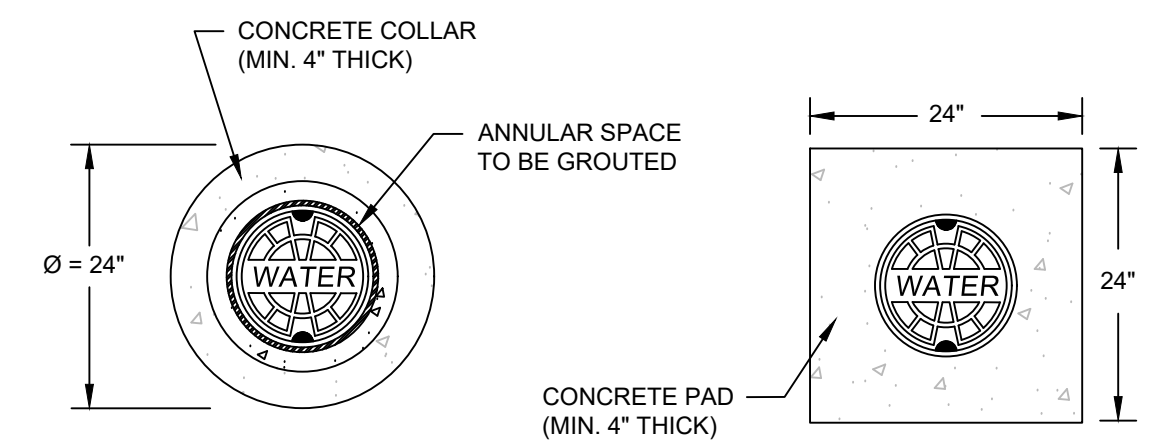
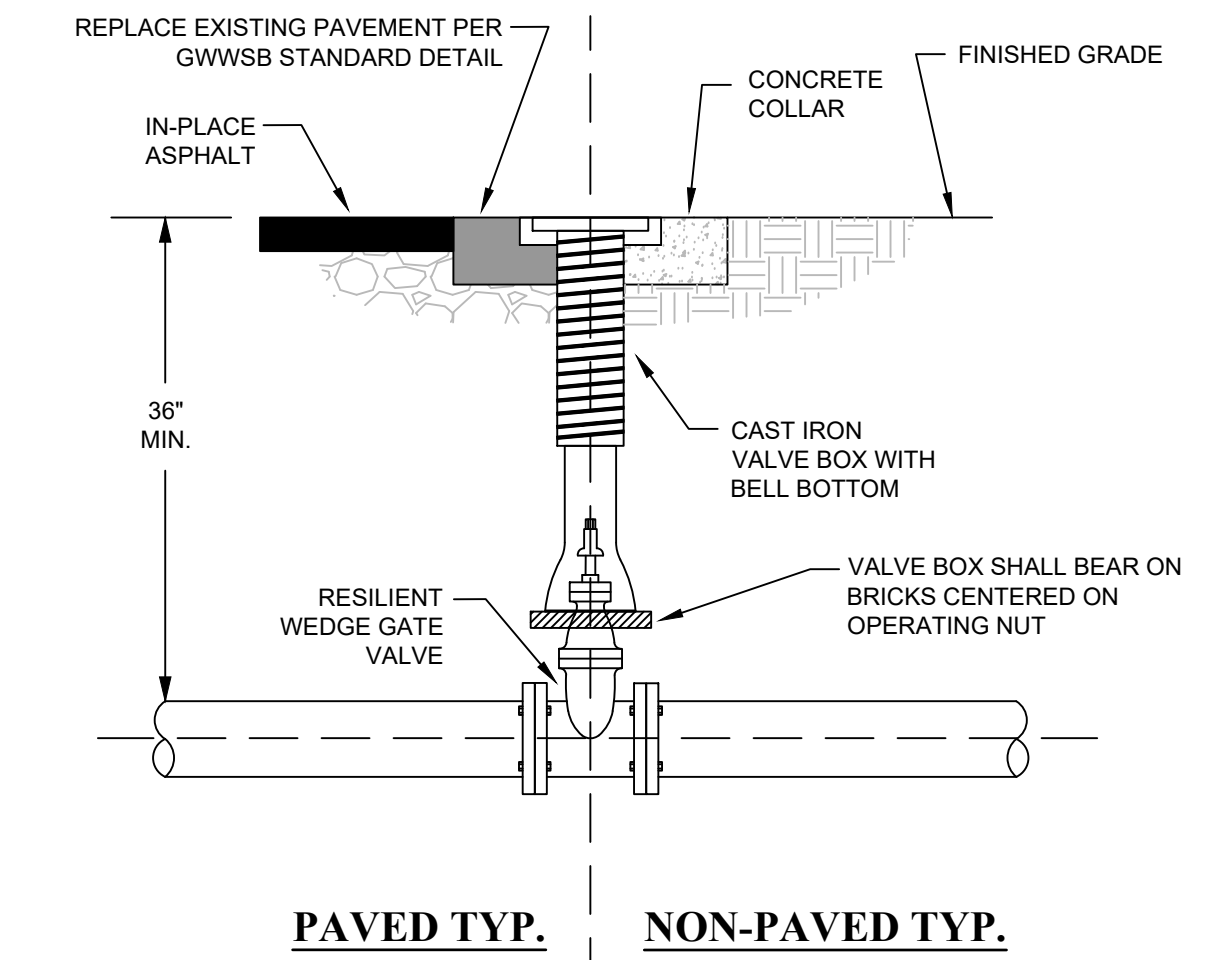
UN-PAVED TRENCH



PAVED TRENCH

- NOTES:**
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 - TRENCH WIDTH VARIES BASED ON WALL STABILITY. STABLE WALLS WIDTH AS NEEDED TO JOIN PIPE AND COMPACT HAUNCHING AND INITIAL BACKFILL. THE TRENCH WIDTH AT UNSTABLE WALLS SHOULD BE A MINIMUM FIVE TIMES PIPE DIAMETER.
 - FLOWABLE FILL CAN BE USED AS BACKFILL WITH PRIOR APPROVAL AND MUST BE ALLOWED 24 HOURS TO CURE PRIOR TO BACKFILLING.
 - APPROVED BACKFILL MATERIAL INCLUDES ALDOT NO. 57 CRUSHED STONE, FLOWABLE FILL AND APPROVED SOIL. ALTERNATIVE MATERIAL MUST BE PRE-APPROVED.
 - FLOWABLE FILL SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 50 PSI TO 200 PSI.
 - EXISTING ASPHALT SHALL BE REPLACED PER GWWSB STANDARD DETAILS.

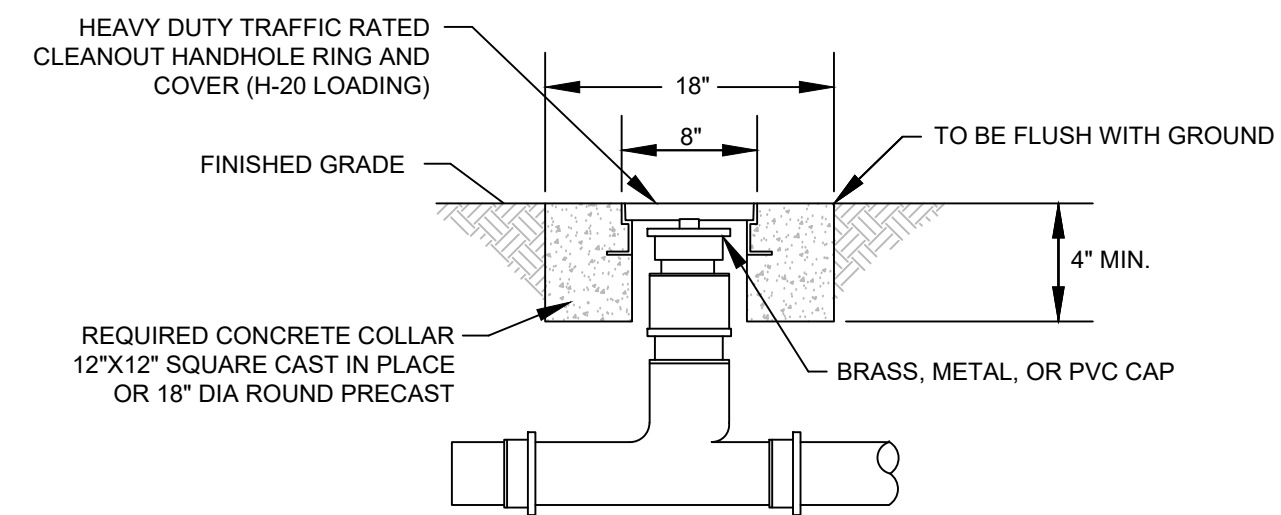
TYPICAL VALVE BOX INSTALLATION



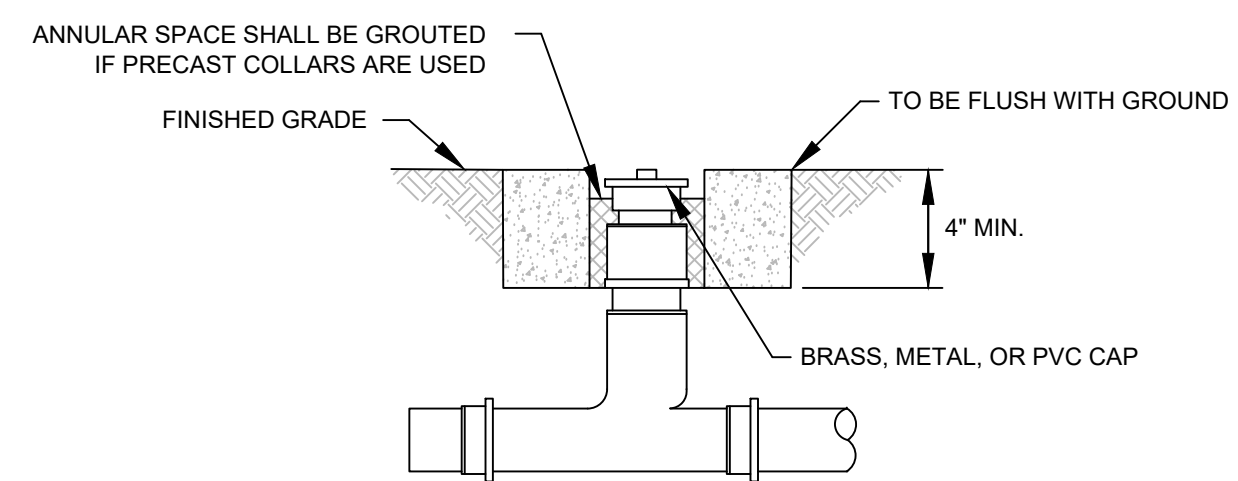
CONCRETE VALVE COLLAR/PAD DETAIL

- NOTES:**
- VALVE BOXES SHALL BE MUELLER NO. H-10364, MUELLER NO. H-10380, M&H NO. E-2702, M&H NO. E-3102 OR APPROVED EQUAL.
 - VALVE BOXES IN NON-PAVED AREAS SHALL REQUIRE A CONCRETE VALVE PAD (APPROX. 24"X24"X4") OR A PRECAST DONUT PAD CONCRETE COLLAR.

TYPICAL CLEANOUT

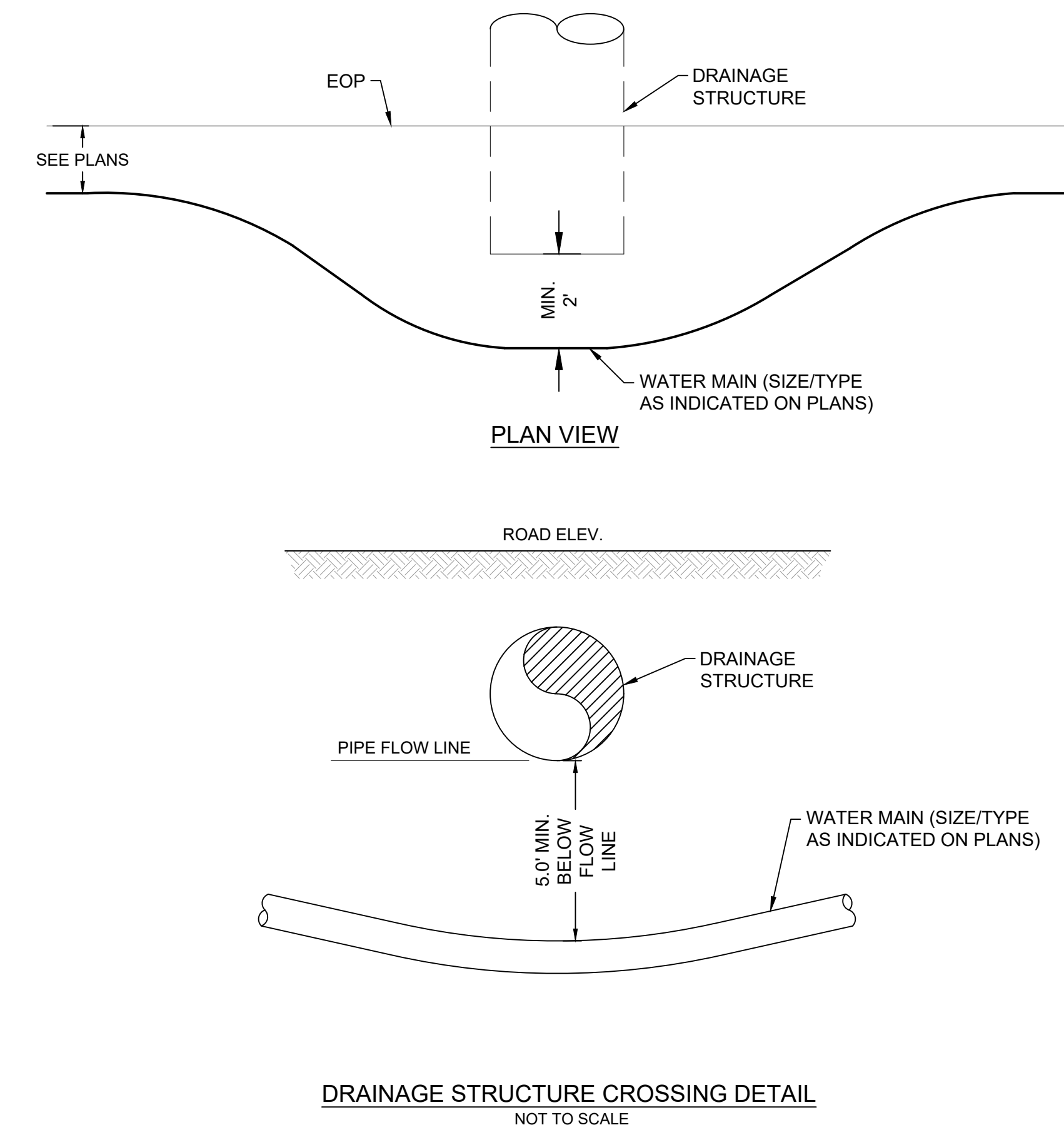


CLEANOUT IN PAVED AREAS



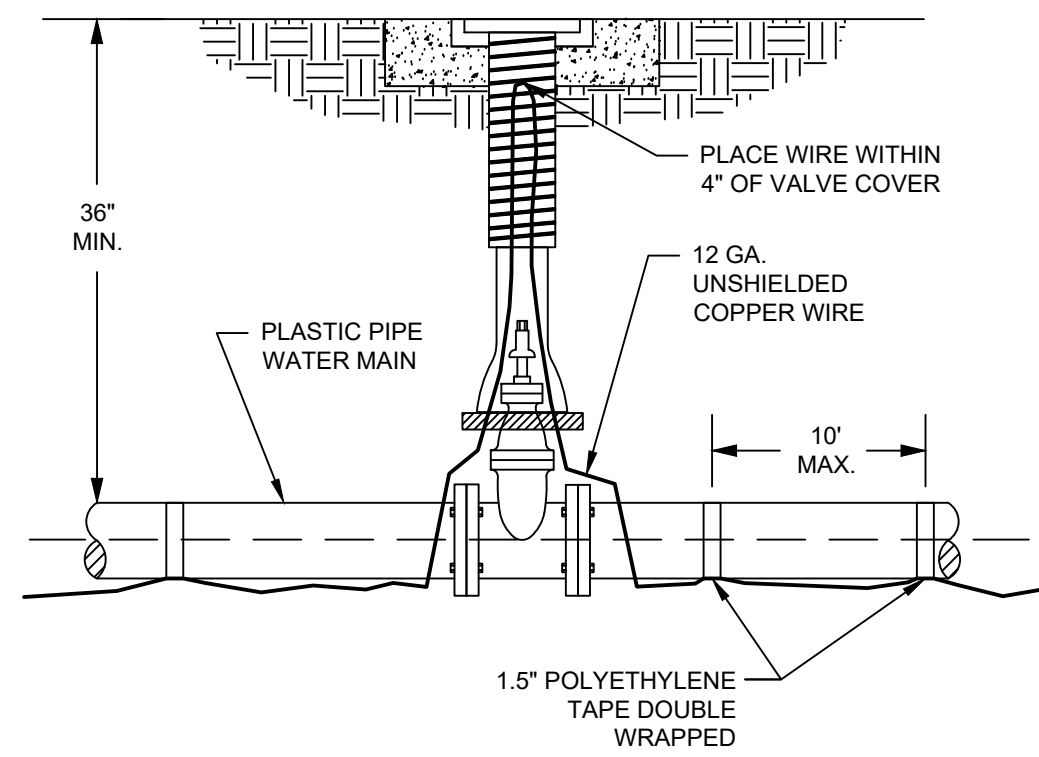
CLEANOUT IN NON-PAVED AREAS

- NOTES:**
- ALL CLEANOUTS SHALL BE INSTALLED OUTSIDE THE PUBLIC RIGHT-OF-WAY OR EASEMENTS, UNLESS APPROVED OTHERWISE.

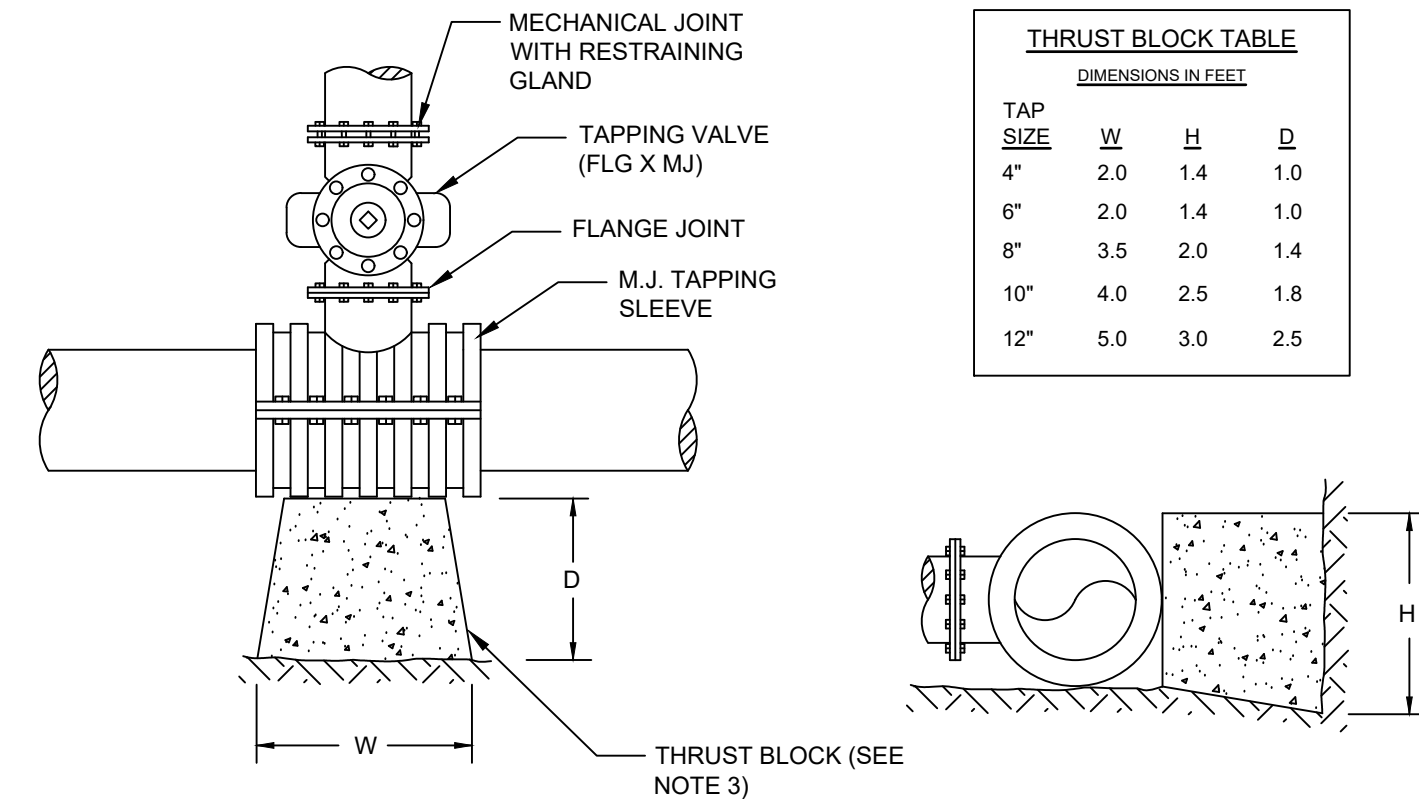


DRAINAGE STRUCTURE CROSSING DETAIL
NOT TO SCALE

TRACER TAPE FOR PLASTIC PIPE



TAPPING SLEEVE

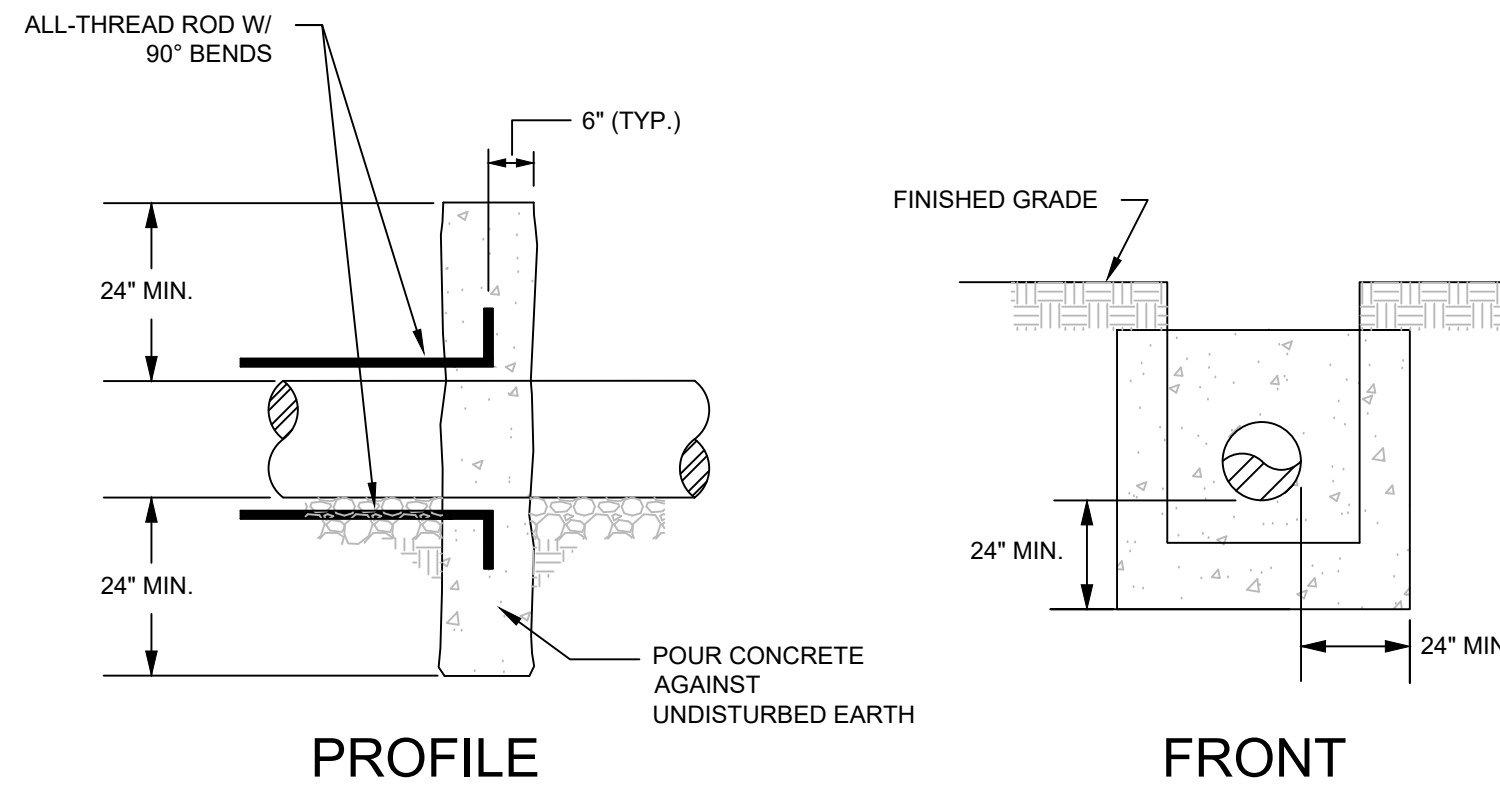
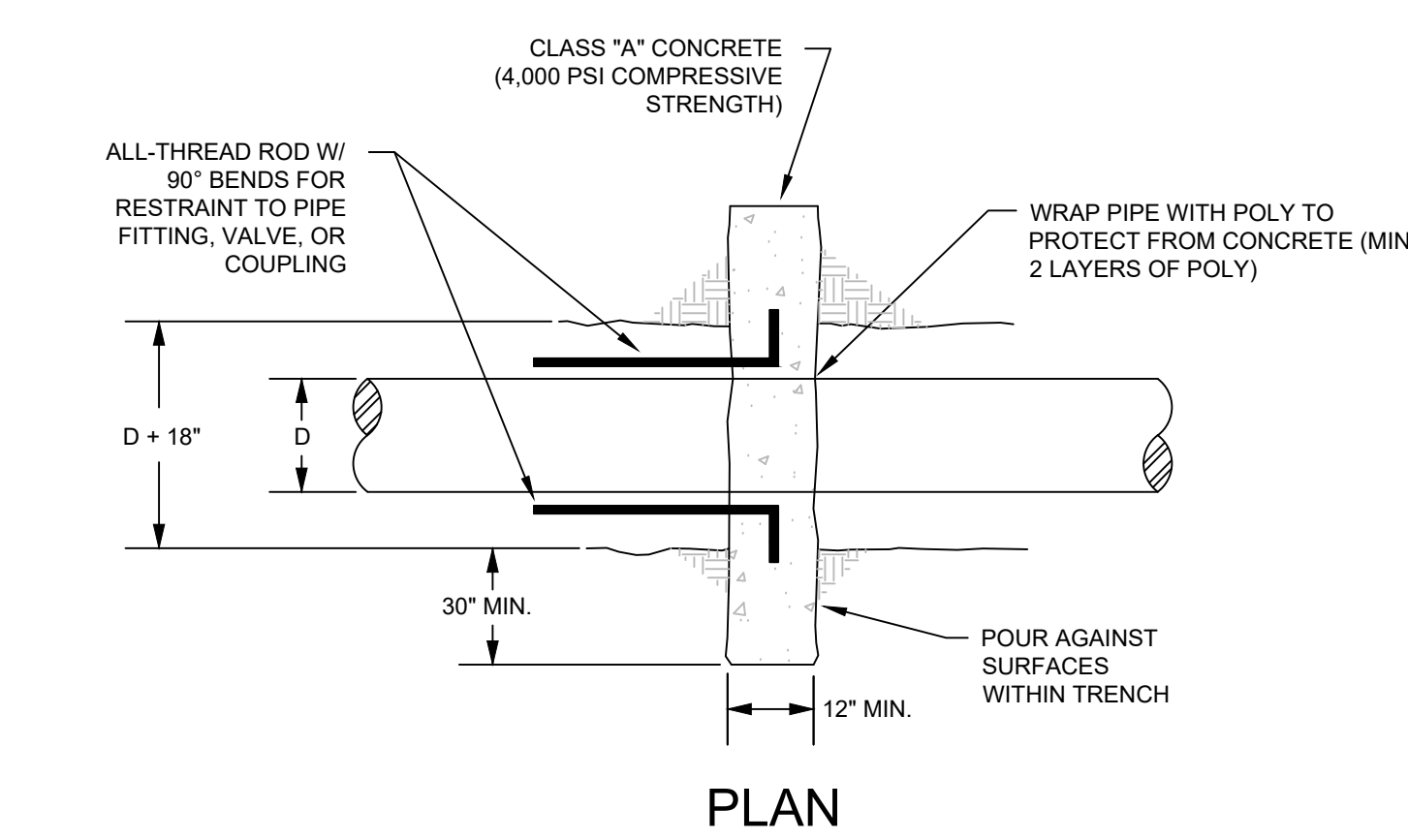


THRUST BLOCK TABLE				
DIMENSIONS IN FEET				
TAP SIZE	W	H	D	
4"	2.0	1.4	1.0	
6"	2.0	1.4	1.0	
8"	3.5	2.0	1.4	
10"	4.0	2.5	1.8	
12"	5.0	3.0	2.5	

NOTES:

- TAPPING SLEEVES SHALL BE INSTALLED A MINIMUM DISTANCE OF 4- FEET FROM THE NEAREST JOINT.

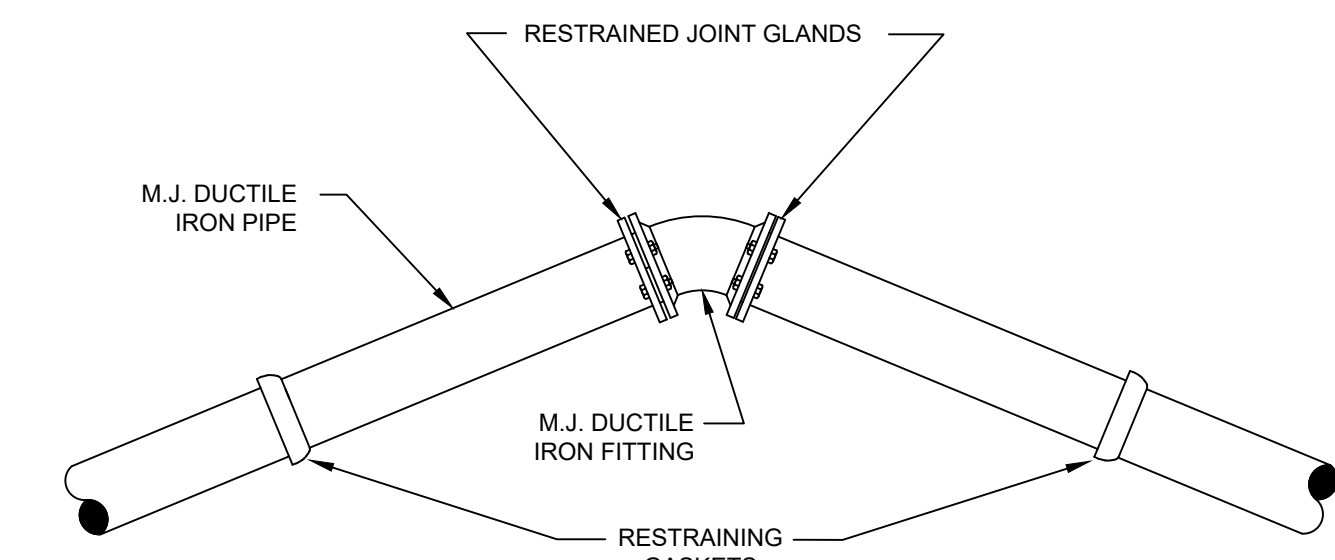
TYPICAL DEADMAN THRUST RESTRAINT



NOTES:

- DEADMAN TO BE CENTERED ON FULL JOINT OF PIPE.
- ALL CONCRETE SHALL BE SHALL CLASS "A" (4000 PSI) IN ACCORDANCE WITH THE GWWSB STANDARD SPECIFICATIONS.
- NO CALCIUM CHLORIDE CURING ACCELERATOR ALLOWED.
- APPLICABLE FOR UP TO AND INCLUDING 12-INCH DIAMETER PIPE MAY BE USED FOR PIPES ABOVE 12-INCH DIAMETER ON A CASE BY CASE BASIS.
- DEADMAN SHALL BE USED ON EXISTING DUCTILE IRON OR CAST IRON PIPE IN GOOD CONDITION.

RESTRAINED JOINT FITTING



RESTRAINED JOINT FITTING

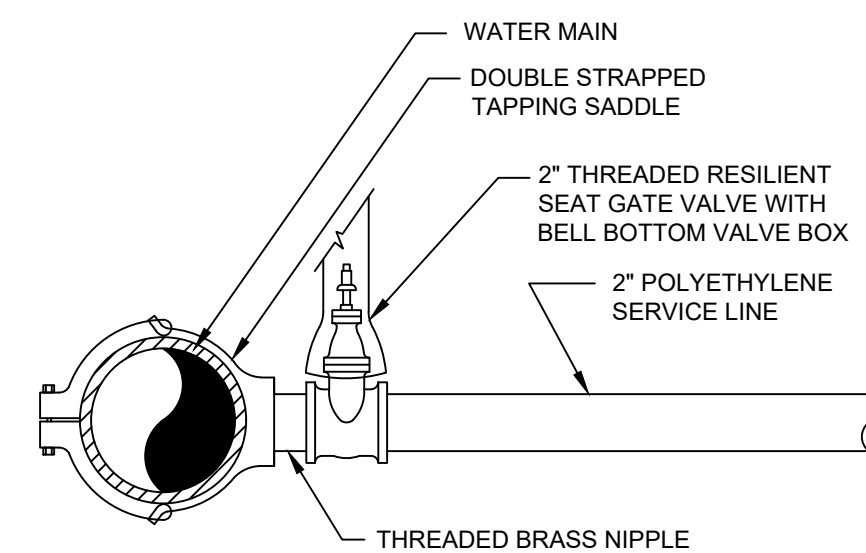
(HORIZONTAL PIPE ONLY)

RESTRAINT JOINT TABLE									
RESTRAIN ALL JOINTS WITHIN THESE LENGTHS									
(IN L.F. EACH SIDE OF THE BEND)									
SIZE	11 1/4"	22 1/2"	45"	90"	TEE BRANCH	DEAD END	REDUCER		
4"	2	5	10	24	37	60	44		
6"	3	7	14	33	64	85	46		
8"	4	9	18	43	90	110	44		
10"	5	10	21	51	113	133	45		
12"	6	12	25	60	133	155	84		
16"	7	15	31	76	177	198	83		
20"	9	18	37	90	217	238	83		
24"	10	21	43	104	255	277	115		

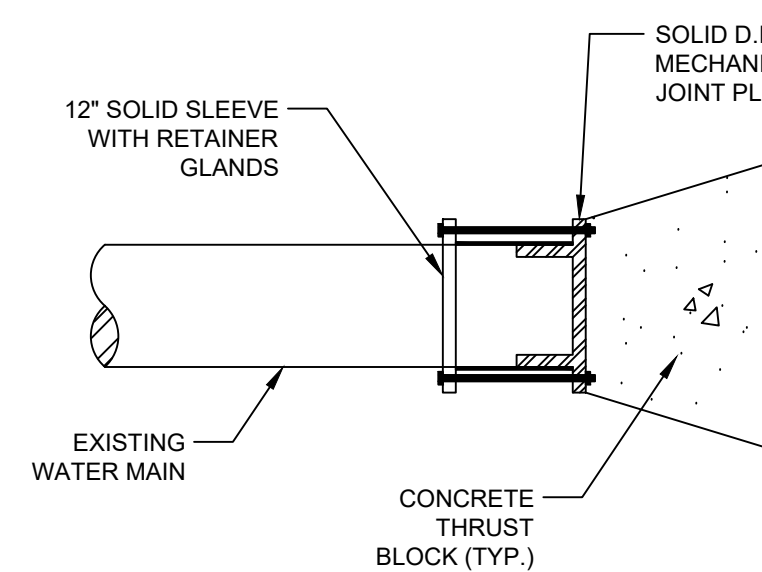
NOTES:

- ALL MECHANICAL JOINT FITTINGS THAT REQUIRE THRUST BLOCKS SHALL BE WRAPPED IN PLASTIC. CONCRETE SHALL NOT BE POURED OVER JOINTS.
- THE PREFERRED METHOD OF THRUST RESTRAINT SHALL BE THROUGH THE USE OF EXTERNALLY RESTRAINED JOINT DEVICES SUCH AS MEGA-LUGS IN LIEU OF CONCRETE BLOCKING. CONCRETE BLOCKING SHALL ONLY BE PERMITTED WHERE APPROVED BY GWWSB AND SHALL NOT BE USED IN CONJUNCTION WITH MEGA-LUG RESTRAINTS. THE APPROPRIATE LENGTH OF RESTRAINT SHALL BE CALCULATED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- THE FOLLOWING CONDITIONS WERE USED TO CALCULATE THE RESTRAINED LENGTHS PROVIDED IN THE TABLE:
LAYING CONDITION IS TYPE 3
SAND-SILT SOIL
3 FEET PIPE DEPTH
150 PSI DESIGN PRESSURE
1.5 SAFETY FACTOR

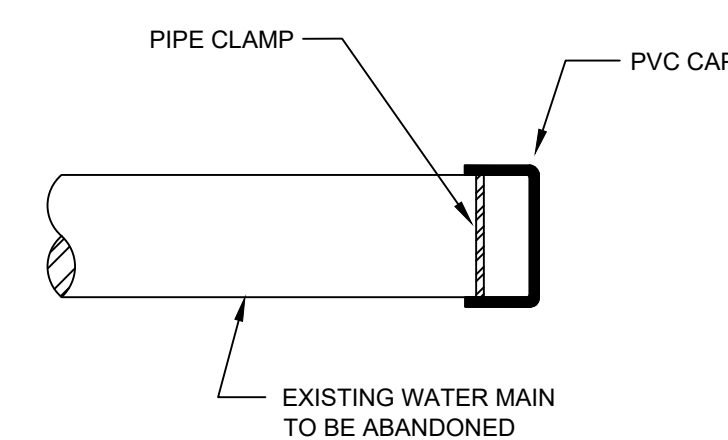
TYPICAL 2" SERVICE CONNECTION



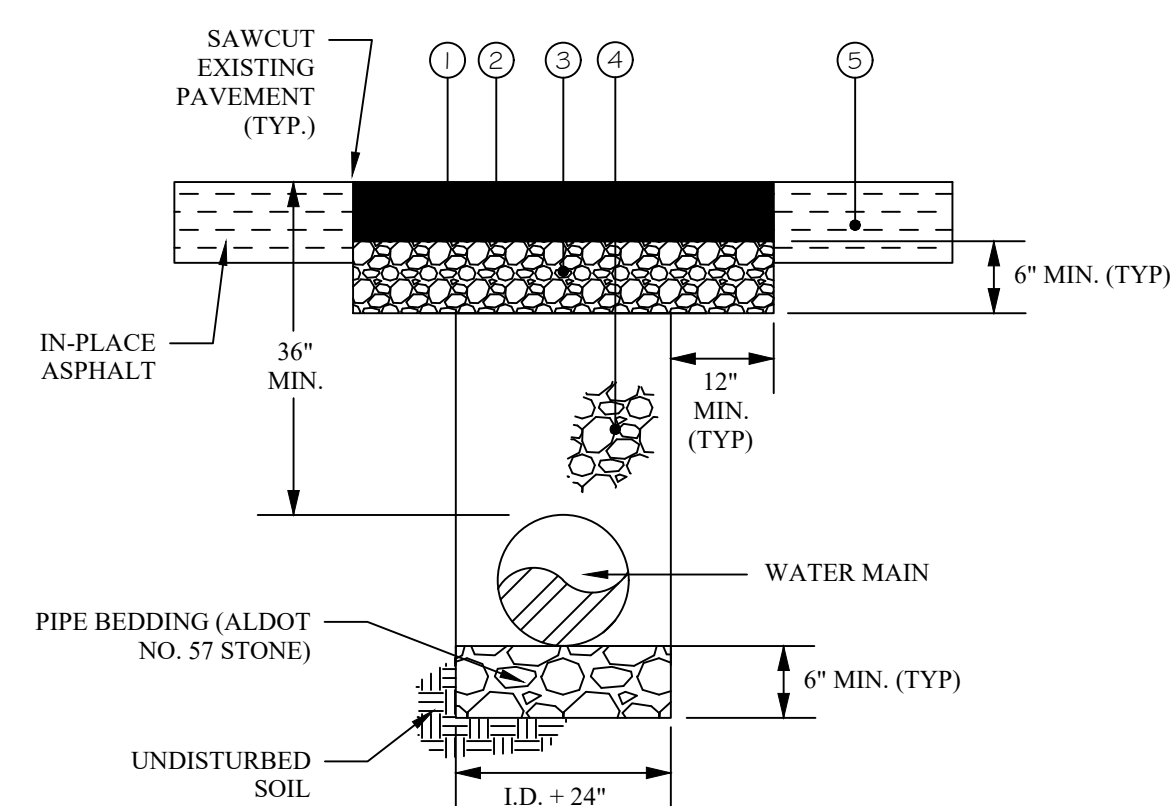
PLUG DETAIL FOR PRESSURIZED PIPE



CAP DETAIL FOR NON-PRESSURIZED PIPE



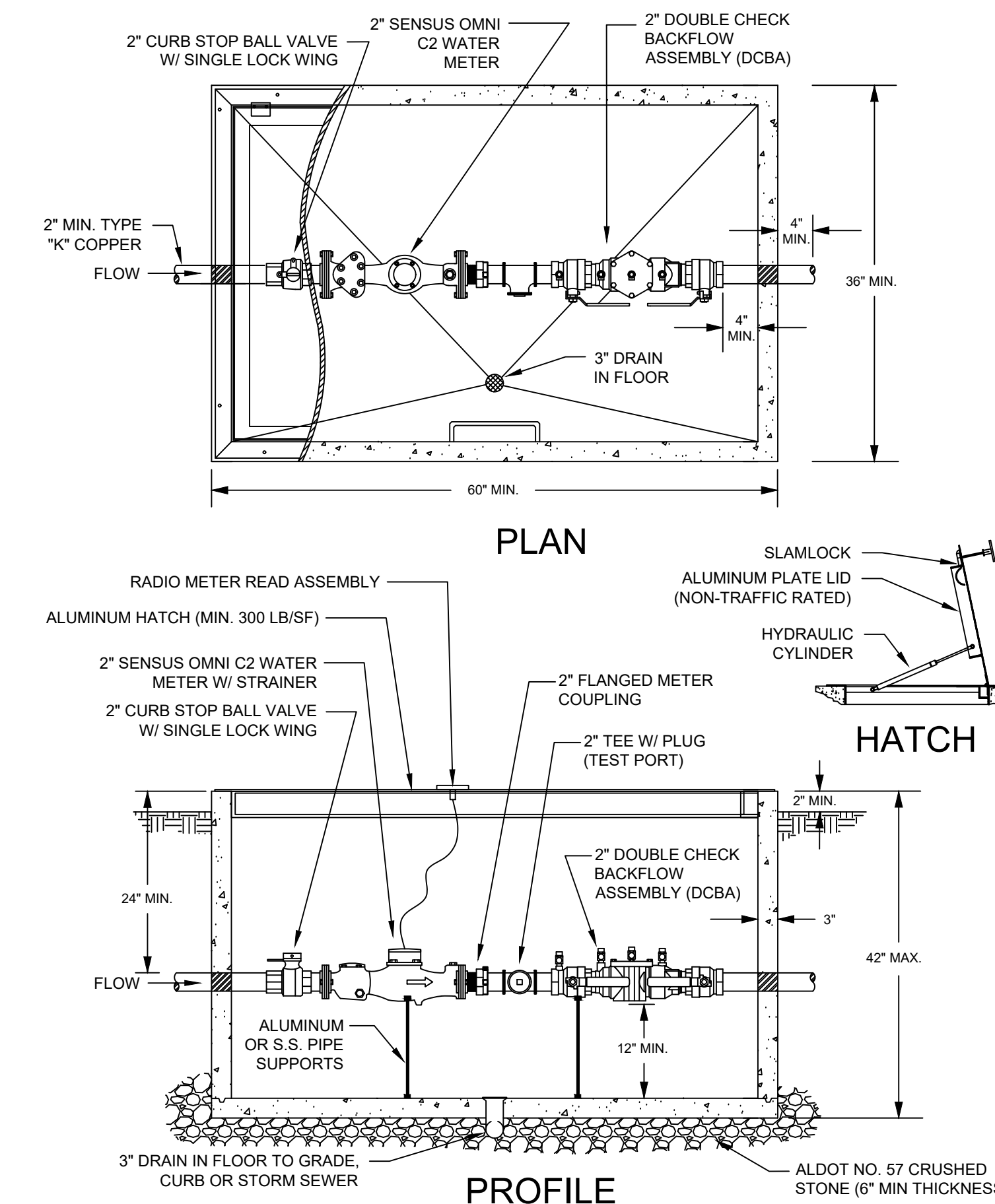
TYPICAL ROADWAY CUT/ASPHALT PATCH



TYPICAL ASPHALT BUILD-UP

- ALDOT 424A SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAX. AGGREGATE SIZE MIX, ESAL RANGE C/D (APPROX. 220 LBS/SY - 2" COMPACTED THICKNESS)
- ALDOT 424B SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, 3/4" MAX. AGGREGATE SIZE MIX, ESAL RANGE C/D (APPROX. 440 LBS/SY - 4" COMPACTED THICKNESS)
- ALDOT 825B CRUSHED AGGREGATE BASE COURSE, COMPACTED TO 98% STANDARD PROCTOR DENSITY (6" COMPACTED THICKNESS)
- ALDOT NO. 57 OR 78 CRUSHED STONE BACKFILL, COMPACTED TO 95% STANDARD PROCTOR DENSITY
- IN-PLACE PAVEMENT - RETAIN

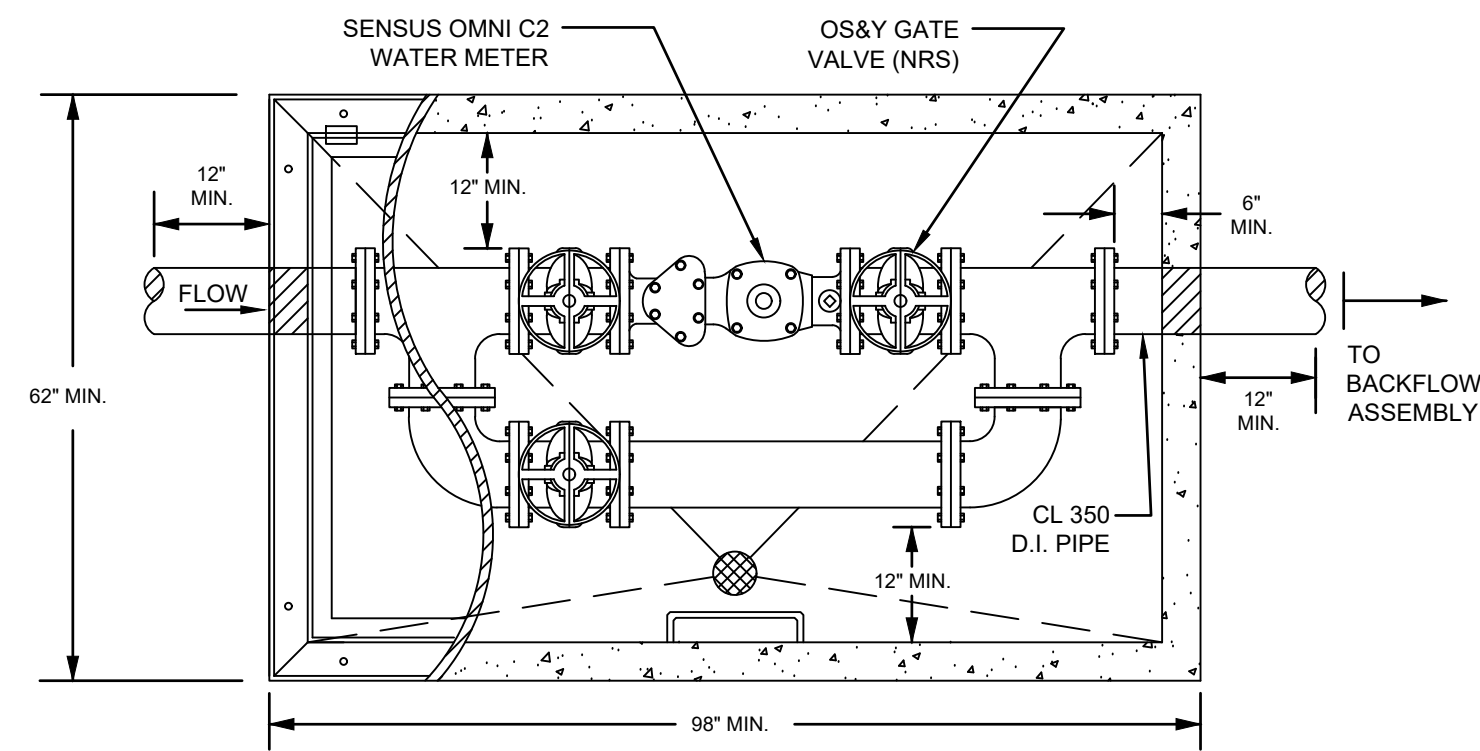
TYPICAL 2.0" METER VAULT W/ DCBA



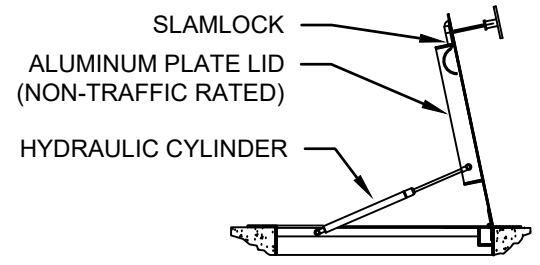
NOTES:

- WATER METER SHALL BE 2" SENSUS OMNI C2 METER, UNLESS OTHERWISE SPECIFIED BY GWWSB.
- DOUBLE CHECK BACKFLOW ASSEMBLY SHALL BE 2" WATTS MODEL NO. LF07M10T OR EQUAL.
- CURB STOP BALL VALVES WITH LOCK WING SHALL BE 2" A.Y. McDONALD MODEL NO. 76101 OR EQUAL.
- FLANGED METER COUPLING SHALL BE FORD METER BOX LOK-PAK COUPLING OR EQUAL.
- ALL CONCRETE SHALL BE CLASS "A" (4,000 PSI) IN ACCORDANCE WITH THE GWWSB STANDARD SPECIFICATIONS.

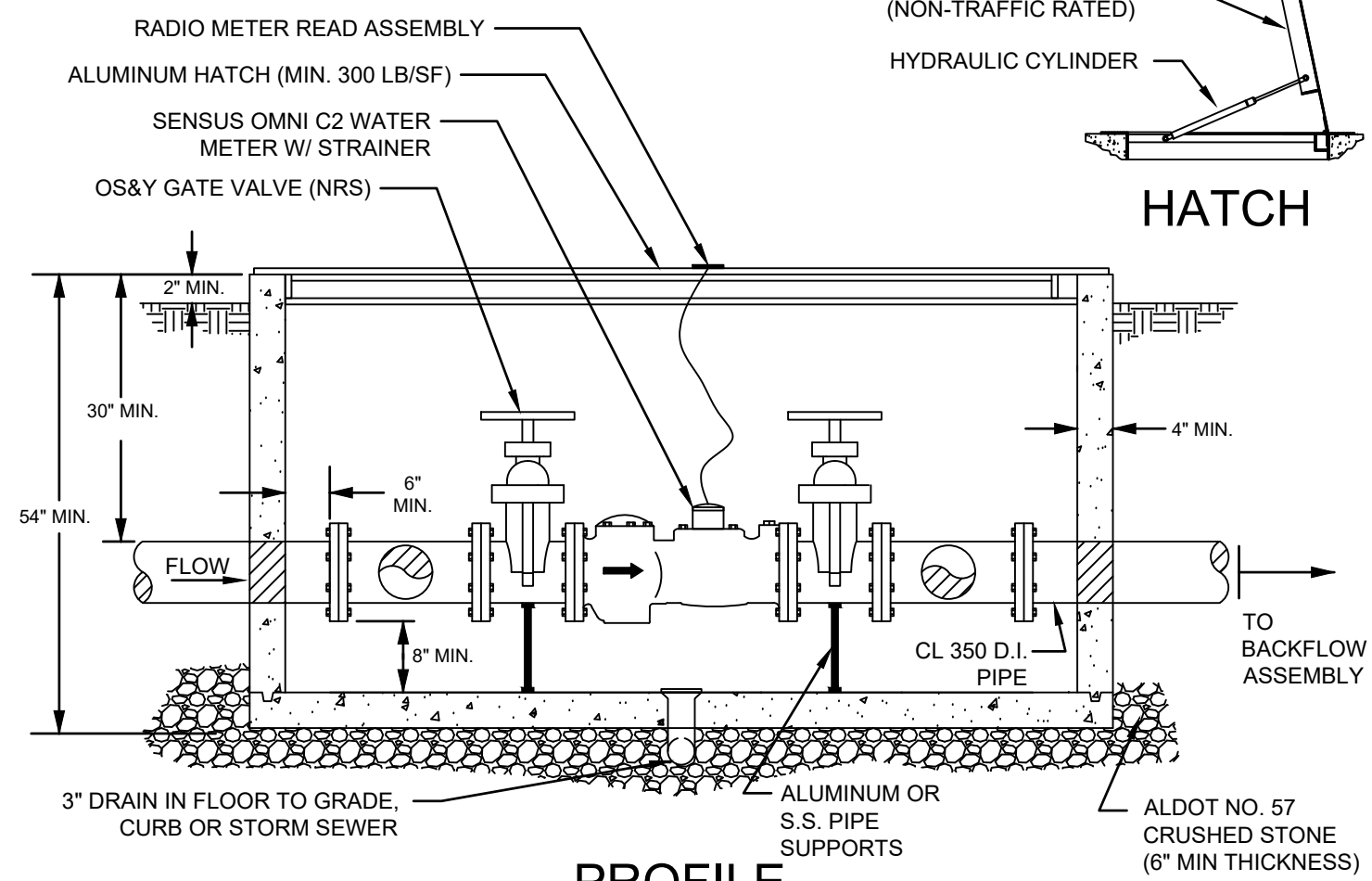
TYPICAL 4" & 6" METER VAULT



PLAN



HATCH

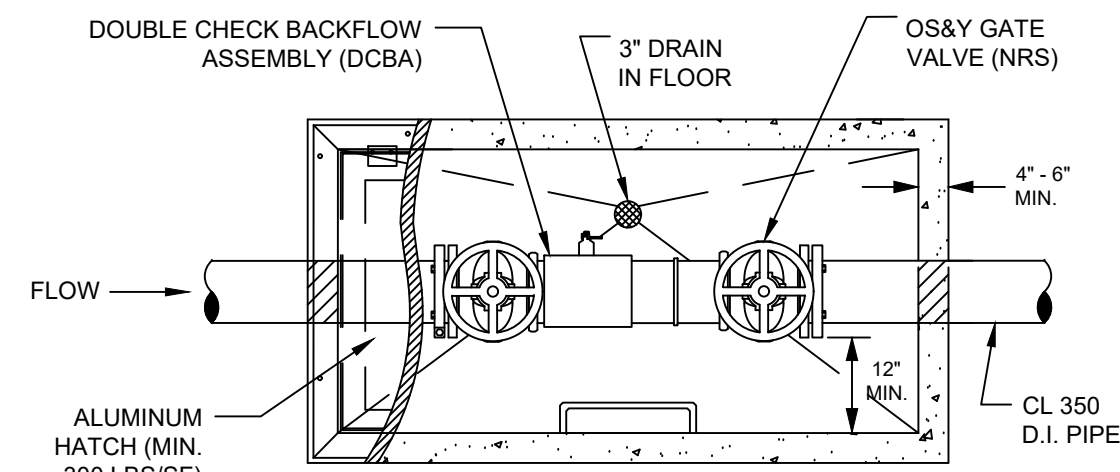


PROFILE

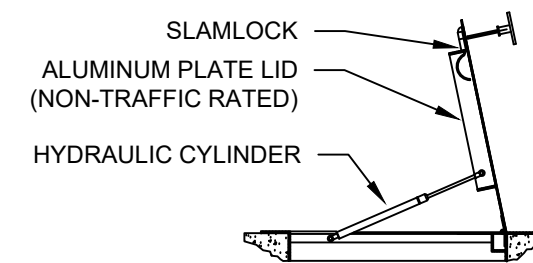
NOTES:

1. WATER METER SHALL BE SENSUS OMNI C2 METER, UNLESS OTHERWISE SPECIFIED BY GWWSB.
2. ALL CONCRETE SHALL BE CLASS "A" (4,000 PSI) IN ACCORDANCE WITH THE GWWSB STANDARD SPECIFICATIONS.
3. ALL PIPE AND FITTINGS SHALL BE DUCTILE IRON, PRESSURE CLASS 350.
4. BYPASS PIPING AND VALVES SHALL BE THE SAME DIAMETER AS THE METER.

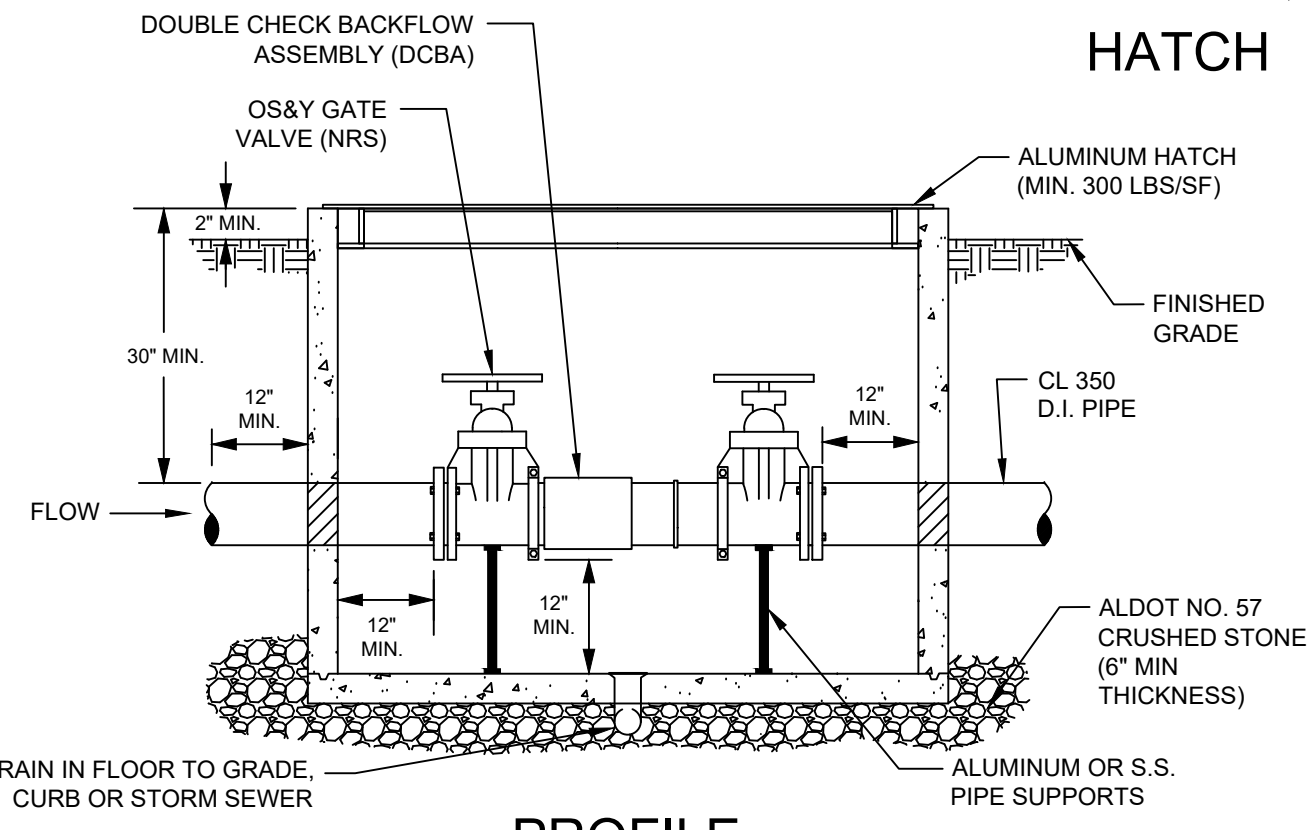
DOUBLE CHECK BACKFLOW ASSEMBLY (DCBA)



PLAN



HATCH



PROFILE

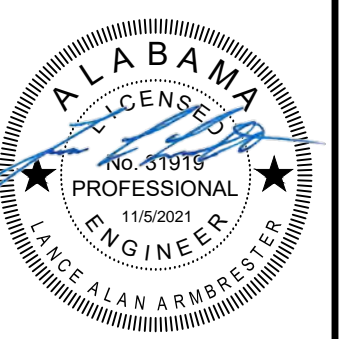
NOTES:

1. DOUBLE CHECK DETECTOR ASSEMBLY SHALL BE MANUFACTURED BY AMES, WATTS, OR AN APPROVED EQUAL.
2. ALL CONCRETE SHALL BE CLASS "A" (4,000 PSI) IN ACCORDANCE WITH THE GWWSB STANDARD SPECIFICATIONS.

C-808 CONSTRUCTION DETAILS.dwg

CONSTRUCTION DETAILS

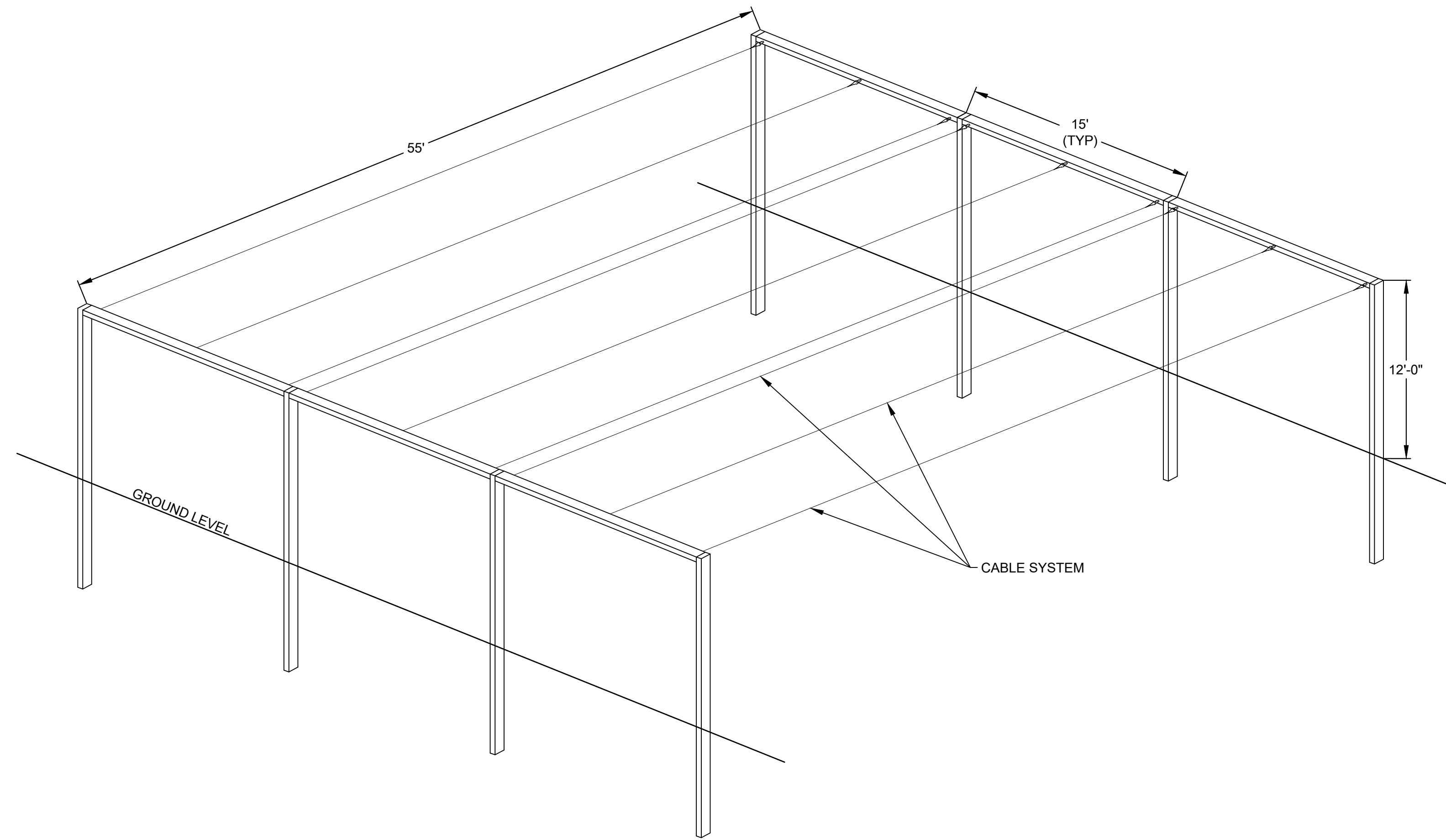
**GADSDEN SPORTS PARK - PHASE II
CITY OF GADSDEN
ETOWAH COUNTY, ALABAMA**



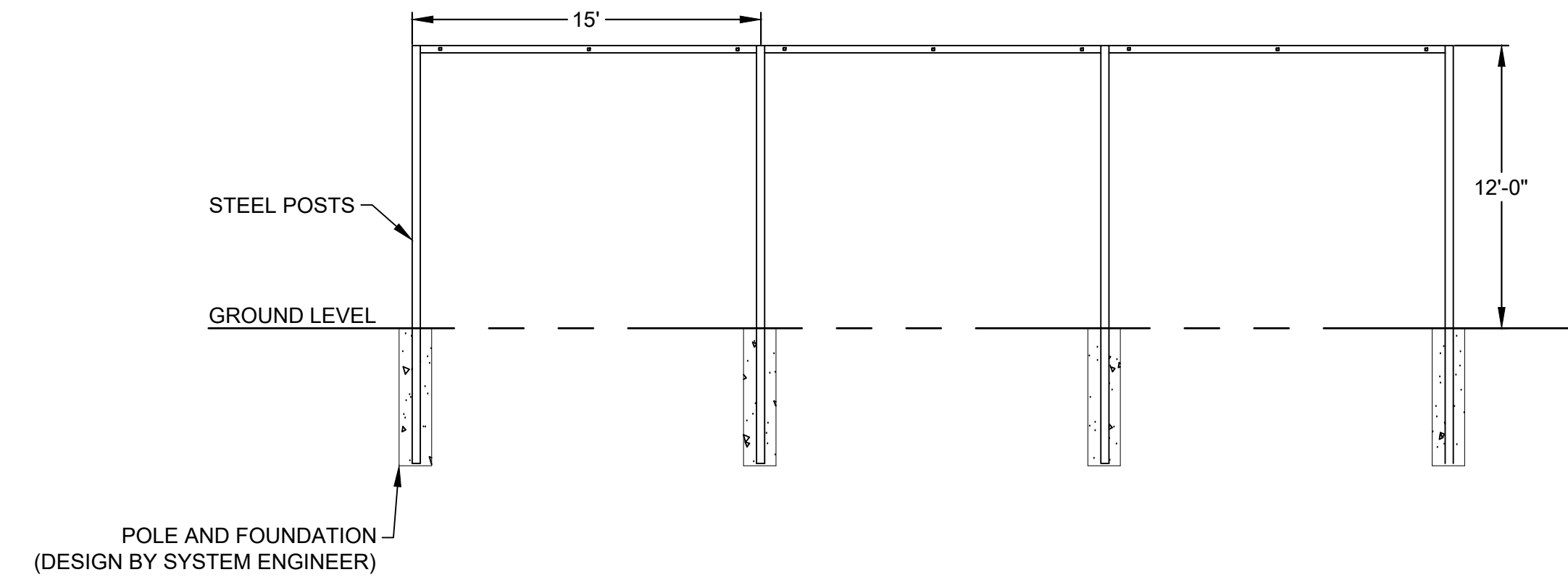
SCALE: AS SHOWN
DATE: NOVEMBER 2021
REVISED

PROJECT NO: R628120055

SHEET NO. C-808

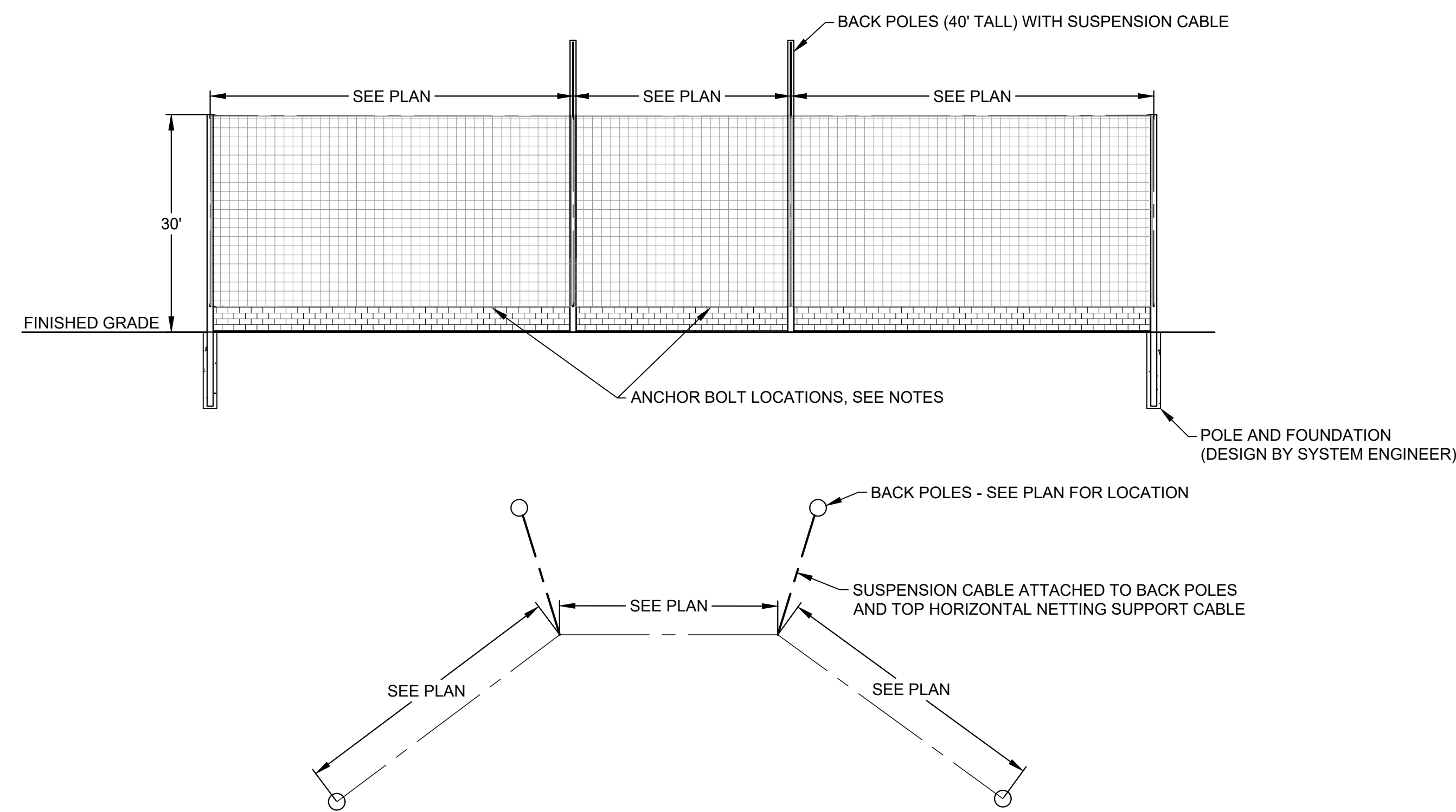


BATTING CAGE SYSTEM
NOT TO SCALE



NOTES:

1. THE BATTING CAGE FRAME, FOUNDATION AND CABLES SHALL BE DESIGNED BY AN ALABAMA LICENSED PROFESSIONAL ENGINEER. A SUBMITTAL IS REQUIRED BY THE DESIGN ENGINEER WITH ALL PERTINENT DESIGN CALCULATIONS.
2. BATTING CAGE NETTING TUNNELS SHALL BE 55'L X 14"W X 12"H, MADE OF #36 TWISTED, KNOTTED NYLON BASEBALL BASEBALL NETTING. TUNNELS SHALL EACH HAVE AN ENTRY FLAP DOOR AND EXTRA BACK BAFFLE OF NETTING IN ONE END. EACH TUNNEL SHALL HAVE 2' SEPARATION FROM THE ADJACENT TUNNEL.
3. BATTING CAGE SUPPORT STRUCTURE SHALL CONSIST OF TWO (2) END FRAMES CONSTRUCTED OF A MINIMUM OF 4" X 6" RECTANGULAR STEEL TUBING OR 8.625" OUTSIDE DIAMETER ROUND STRUCTURAL STEEL PIPES. FRAMES SHALL BE EMBEDDED IN A MINIMUM OF 3,000 PSI CONCRETE WITH THE DEPTH SPECIFIED BY THE SYSTEM ENGINEER. SUPPORT STRUCTURES SHALL HAVE NO MID SPAN, INTERMEDIATE FRAMES OR POLES. ALL FRAME CONNECTIONS SHALL BE WELDED.
4. STEEL END FRAMES SHALL BE PAINTED WITH ONE COAT OF CARBOCOAT 150 PRIMER AND TWO (2) COATS OF BLACK CARBOCRYLIC 3359 FINISH, OR APPROVED EQUAL.
5. ALL CABLE TERMINATION HARDWARE SHALL BE MADE WITH GALV. 5/8" THROUGH BOLT, LOCK WASHER AND THIMBLE EYE NUT, OR APPROVED EQUAL.
6. ALL EXPOSED CONCRETE SURFACES WITHIN BATTING CAGE LIMITS TO RECEIVE HITTER'S CHOICE SYNTHETIC BATTING CAGE TURF AS SPECIFIED, OR APPROVED EQUAL. TURF TO BE GLUED DIRECTLY TO CONCRETE SURFACES PER MANUFACTURER'S RECOMMENDATIONS. NOTE: SYNTHETIC TURF COMES IN 15' WIDTHS AND SHALL BE INSTALLED ACCORDINGLY. (SEE SHEET C-803, CONCRETE PAVEMENT SECTION FOR BULLPENS AND BATTING CAGES DETAIL)
7. CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL TESTING AND/OR INSPECTIONS AS REQUIRED BY SYSTEM DESIGN.

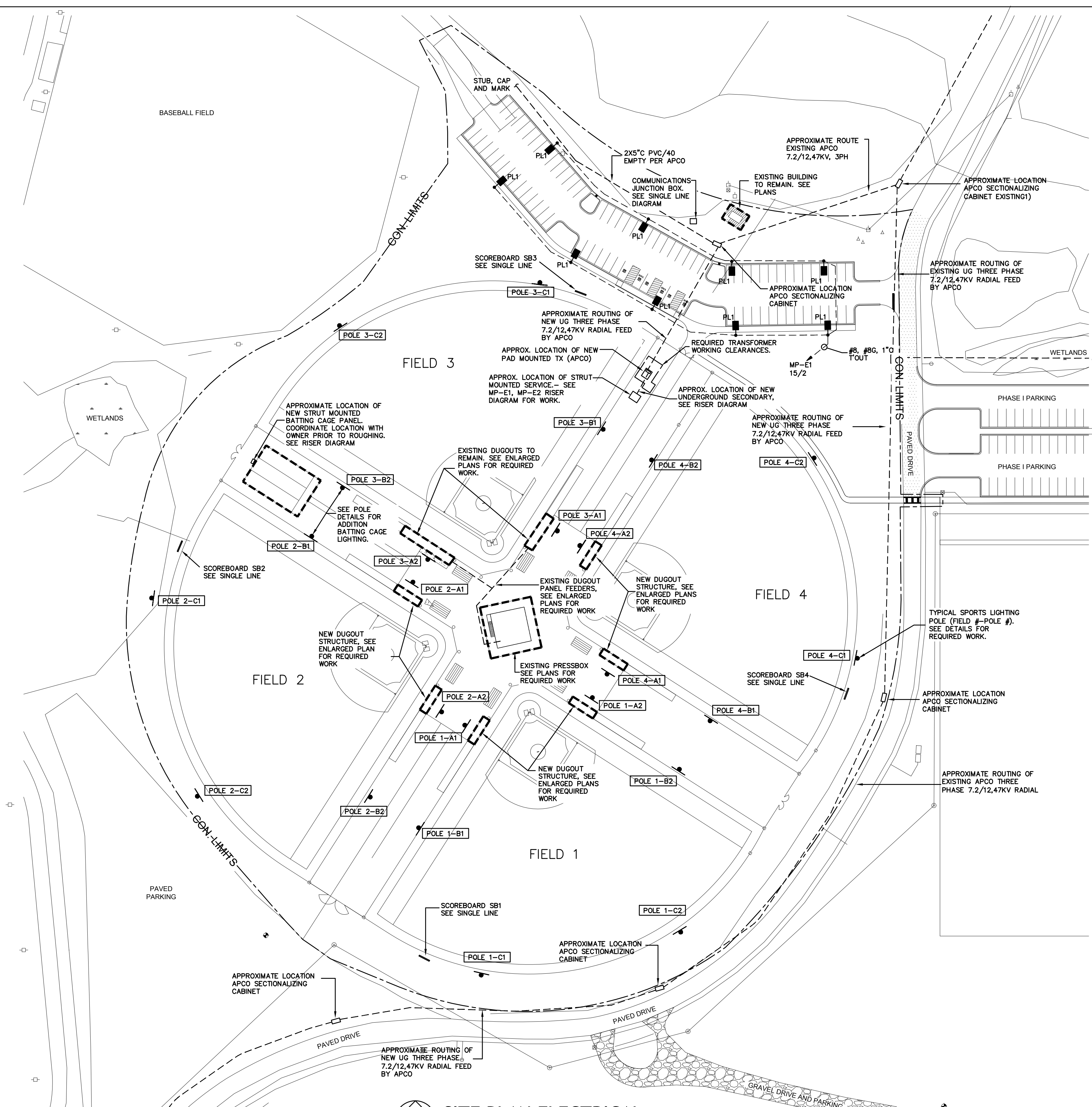


BACKSTOP NETTING SYSTEM
NOT TO SCALE

NOTES:

1. THE BACKSTOP POLES, FOUNDATION AND CABLES SHALL BE DESIGNED BY AN ALABAMA LICENSED PROFESSIONAL ENGINEER. A SUBMITTAL IS REQUIRED BY THE DESIGN ENGINEER WITH ALL PERTINENT DESIGN CALCULATIONS.
2. POLE LOCATIONS SHALL BE COORDINATED WITH CIVIL ENGINEER AND FIELD VERIFIED PRIOR TO MANUFACTURING THE SYSTEM. ANY SUBSEQUENT CHANGES IN POLE LOCATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. FIELD 3 BACKSTOP DIMENSIONS DIFFER FROM OTHER FIELDS.
3. BACKSTOP NETTING SHALL HAVE A FINISHED HEIGHT OF 30' ABOVE FIELD LEVEL.
4. POLES SHALL BE 16" MIN. DIAMETER MADE OF A500 GRADE B,C STRUCTURAL STEEL PIPE WITH WELDED END CAPS. THE POLES SHALL BE DESIGNED BY THE SYSTEM ENGINEER.
5. STEEL POLES SHALL BE PAINTED WITH ONE COAT OF CARBOCOAT 150 PRIMER AND TWO (2) COATS OF BLACK CARBOCRYLIC 3359 FINISH, OR APPROVED EQUAL.
6. NETTING SHALL BE REDDEN #36, TWISTED, KNOTTED NETTING MADE OF 100% DUPONT TYPE 66 HIGH-GRADE NYLON.
7. 3/8" X 6" GALVANIZED EYE BOLTS SHALL BE INSTALLED INTO TOP OF BACKSTOP WALL SPACED 5' OC MAX. FOR SUPPORT OF BOTTOM HORIZONTAL CABLE. EYE BOLTS SHALL BE INSTALLED IN A 5/8" PREDRILLED HOLE AND SECURED WITH MASONRY EPOXY USING EPOXY MANUFACTURER'S INSTALLATION INSTRUCTIONS.
8. ALL CABLE TERMINATION HARDWARE SHALL BE GALVANIZED. HORIZONTAL CABLE TERMINATIONS SHALL BE MADE WITH 5/8" THROUGH BOLT, LOCK WASHER AND THIMBLE EYE NUT. ALL VERTICAL CABLE TERMINATIONS SHALL BE MADE WITH 5/8" THROUGH BOLT, VERTICAL SUPPORT ROLLER, LOCK WASHER AND 5/8" NUT, OR APPROVED EQUAL.
9. CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL TESTING AND/OR INSPECTIONS AS REQUIRED BY SYSTEM DESIGN.

C:801 CONSTRUCTION DETAILS.dwg



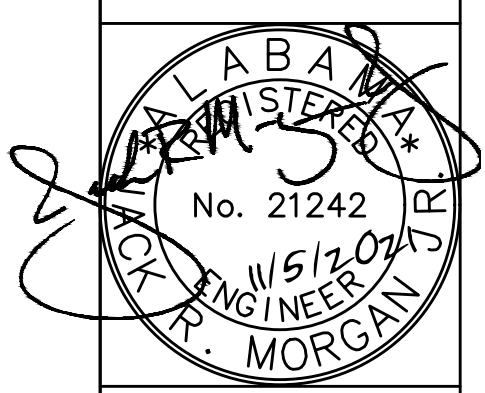
SITE PLAN ELECTRICAL
SCALE: 1" = 60'-0"

SITE PLAN NOTES:

- ROUTING FOR ALABAMA POWER DISTRIBUTION CIRCUITS AND LOCATIONS FOR GROUND MOUNTED ELECTRICAL EQUIPMENT ARE APPROXIMATE. COORDINATE ALL ASPECTS OF REQUIRED ELECTRICAL SERVICES WITH APCO FOR THIS PROJECT. ALL AID TO CONSTRUCTION CHARGES WILL BE PAID DIRECT BY OWNER - DO NOT INCLUDE IN BID PRICE.
- COORDINATE ALL LOCATIONS FOR SPORTS LIGHTING POLES, GROUND MOUNTED ELECTRICAL EQUIPMENT, PARKING LOT AND PEDESTRIAN LIGHTING STANDARDS WITH FINAL CIVIL AND ARCHITECTURAL PLANS - NOTIFY ELECTRICAL ENGINEER OF DISCREPANCIES BETWEEN FIELD CONDITIONS AND PLANS FOR CORRECTION PRIOR TO BID.

The EE Group Inc.
1521 Rainbow Drive
Gadsden, AL 35901
256.413.7717

A SPORTS PARK for the CITY OF GADSDEN
Phase 2
GADSDEN, ALABAMA



SCALE:	AS SHOWN
DATE:	11/5/2021
	REVISED
PROJECT NO:	4576-20
SHEET NO.	E1.2

FIXTURE SCHEDULE

MARK	MANUFACTURER:	MODEL NUMBER	L A M P S		MOUNTING:	COMMENTS:
			NO./FIXTURE	WATTS/LAMP		
A	H.E. WILLIAMS LIGHTING	97-4-L45/835-TP-DRV-UNV	1	4500 LUMEN 38W	LED	SURFACE MOUNT OR APPROVED EQUAL
AE	H.E. WILLIAMS LIGHTING	97-4-L45/835-TP-DRV-UNV-EM	1	4500 LUMEN 38W	LED	SURFACE MOUNT OR APPROVED EQUAL EMERGENCY LIGHT WITH INTEGRAL BATTERY PACK
B	MCGRAW LIGHTING	TT-C4-LED-E1-WQ-DPM-CBA-SG	1	7500 LUMEN 60W	LED	PENDANT MOUNTED OR APPROVED EQUAL
BE	MCGRAW LIGHTING	TT-C4-LED-E1-WQ-DPM-CBA-SG-EM	1	7500 LUMEN 60W	LED	PENDANT MOUNTED OR APPROVED EQUAL
C	H.E. WILLIAMS LIGHTING	LP-24-L40/835-UNV	1	4000 LUMEN 47W	LED	RECESSED OR APPROVED EQUAL
CE	H.E. WILLIAMS LIGHTING	LP-24-L40/835-UNV	1	4000 LUMEN 47W	LED	RECESSED OR APPROVED EQUAL EMERGENCY LIGHT WITH INTEGRAL BATTERY PACK
D	H.E. WILLIAMS LIGHTING	6DR-L40-8-40-UNV	1	4000 LUMEN 69W	LED	RECESSED OR APPROVED EQUAL
DE	H.E. WILLIAMS LIGHTING	6DR-L40-8-40-EM/10-UNV	1	4000 LUMEN 69W	LED	RECESSED OR APPROVED EQUAL
SL	HALO LIGHTING	SLD612-35**-UNV-JB	1	1200 LUMEN 15W	LED	RECESSED SHOWER LIGHT. UL LISTED WET LOCATION. COLOR/FINISH TO BE SELECTED BY OWNER/ARCHITECT. COORDINATE CEILING TYPE WITH ARCHITECT PRIOR TO ANY/ALL ORDERING. OR APPROVED EQUAL
X1	MULE LIGHTING	MX-B-R-U-SD		WITH UNIT		SURFACE MOUNT HEIGHT AS SHOWN EMERGENCY LIGHT WITH INTEGRAL BATTERY PACK OR APPROVED EQUAL
PL1	EATON LIGHTING	GLEON-AF-04-LED-480-T3-XX (HAPCO POLE) SSS3006-4-BM-P	1	24,017 LUMEN 225W	LED	POLE FIXTURE TO BE HAVE A TYPE 4 OPTICS DISTRIBUTION MOUNTED ON A 30"-0" SQUARE POLE WITH A 3FT CONCRETE BASE (SEE DETAIL). SIZE POLE TO MEET CURRENT IBC WIND LOAD OF THE REGION. PROVIDE SURGE PROTECTIVE DEVICE AND INTEGRAL PHOTOCELL.
SL*	EATON/COOPER LIGHTING	SPORT SENTRY LIGHTING GS3 1250W		156,250 1250W	LED	POLE, 70 FT. ABOVE GRADE

ELECTRICAL LEGEND

LIGHTING

	EXIT LIGHT AND TYPE
	CEILING OUTLET - FIXTURE SINGLE OR CONTINUOUS LENGTHS
	CEILING OUTLET - FIXTURE SINGLE OR CONTINUOUS LENGTHS CONNECTED TO EMERGENCY GENERATOR OR INTEGRAL BATTERY.
	CEILING OUTLET - SUSPENDED FIXTURE SINGLE WITH BALL ALIGNER CONNECTED TO EMERGENCY GENERATOR OR INTEGRAL BATTERY.
	CEILING OUTLET - SUSPENDED FIXTURE SINGLE WITH BALL ALIGNER CONNECTED TO EMERGENCY GENERATOR OR INTEGRAL BATTERY.
	SITE LIGHTING POLE - SEE SITE PLAN - ELECTRICAL AND DETAILS
	SWITCH OUTLET - A.C. TYPE, SINGLE POLE, 20A, 125/277V. VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS BEFORE ROUGHING IN.
	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR. VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS BEFORE ROUGHING IN.
	OCCUPANCY SENSOR CONTROL - CONTRACTOR FURNISH AND INSTALL OCCUPANCY SENSOR CONTROLLER(S) (POWER PACKS) AS REQUIRED FOR NUMBER OF DETECTORS REQUIRED. OCCUPANCY SENSOR SHALL HAVE 30 MINUTE SHUT-OFF DELAY, PASSIVE INFRARED AND ULTRASONIC SENSOR (SENSOR SWITCH MODEL# CM-PDT-9-R OR APPROVED EQUAL). SENSOR SHALL BE CEILING MOUNTED AT APPROXIMATE LOCATION SHOWN TO PROVIDE MAXIMUM ROOM COVERAGE. WHERE MANUAL SWITCHING IS SHOWN (FOR OVERRIDE TO "OFF", OCCUPANCY SENSOR CONTROLLER SHALL BE INSTALLED AHEAD OF THE MANUAL SWITCHING.
	POWER PANEL - SEE SCHEDULE AND SPECIFICATIONS
	RECESSED MOUNTED POWER PANEL - SEE SCHEDULE AND SPECIFICATIONS, PROVIDE 4 EA. 1" EMPTY CONDUIT TO ABOVE CEILING FOR FUTURE USE.
	TRANSFORMER - SEE SCHEDULE AND SPECIFICATIONS, 115°C RISE, FLOOR MOUNTED ON FACTORY SPRING VIBRATION.
	MOTOR-HORSEPOWER AS SHOWN (HP) HORSEPOWER (TYPICAL)
	FUSED DISCONNECT SWITCH - 600V - HEAVY DUTY TYPE, RATING AND ENCLOSURE AS SHOWN. SEE SPECIFICATIONS FOR IDENTIFICATION. FURNISH AND INSTALL NAME PLATES PER DETAIL. FUSE PER EQUIPMENT MANUFACTURER.
	FUSIBLE PULLOUT TYPE DISCONNECT SWITCH - SEE SPECIFICATIONS FOR IDENTIFICATION.
	NON-FUSED DISCONNECT SWITCH - 600V - HEAVY DUTY TYPE, RATING AND ENCLOSURE AS SHOWN. SEE SPECIFICATIONS FOR IDENTIFICATION. FURNISH AND INSTALL NAME PLATES PER DETAIL.
	CIRCUIT BREAKER WITH ENCLOSURE (BREAKER SIZE AS INDICATED) - 600V - RATING AND ENCLOSURE AS SHOWN - SEE SPECIFICATIONS. FOR IDENTIFICATION. FURNISH AND INSTALL NAMEPLATES PER DETAIL.
	MANUAL MOTOR STARTER - HORSEPOWER RATED, WITH THERMAL OVERLOAD UNITS AND ENCLOSURE CONSISTENT WITH ENVIRONMENT.

RECEPTACLES

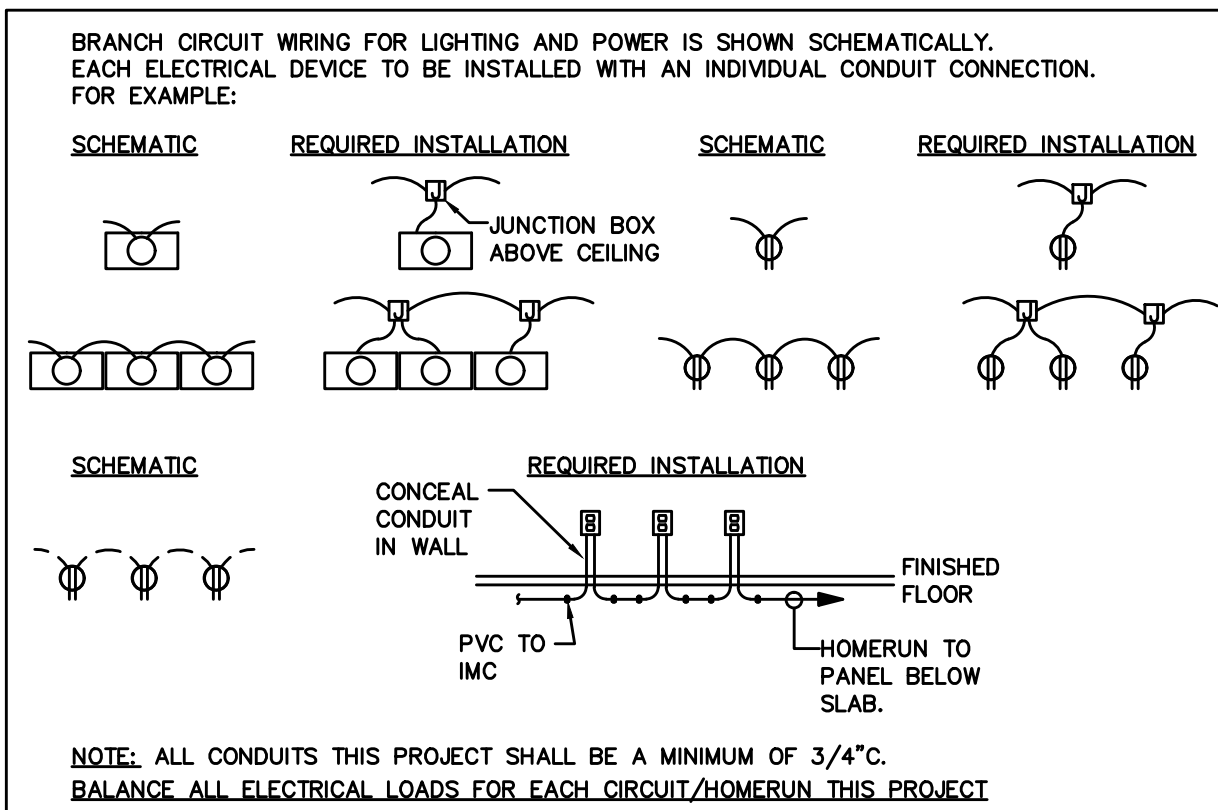
	DUPLEX RECEPTACLE, NEMA 5-20R, SEE SPECIFICATIONS.
	DUPLEX RECEPTACLE, NEMA 5-20R, GROUND FAULT INTERRUPTER, WEATHERPROOF. (IN METAL BOX IN USE COVER.)
	DUPLEX RECEPTACLE, 15A, 125V., 2 POLE, 3W., NEMA 5-15R, WITH TWO USB CHARGING PORTS, HUBBELL #USB15X.
	JUNCTION BOX WITH FLEXIBLE CONNECTION TO EQUIPMENT. SEE PLANS.
	DUPLEX RECEPTACLE, NEMA 5-20R, SELF TEST GROUND FAULT INTERRUPTER, FEED-THRU.
	QUADRUPLEX, NEMA 5-20R WITH SINGLE PLATE.
	HAND DRYER, EXCEL MODEL# XLERATOR OR MACHFLOW MODEL# M09**-UL (OR PRE-APPROVED EQUAL), 120 VAC, STAINLESS STEEL FINISH, MOUNTED ON 4" SQUARE BOX WITH SINGLE GANG RAISED COVER HEIGHT PER ADAAG LATEST EDITION. FURNISHED BY ELECTRICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.

BRANCH CIRCUITS

	BRANCH CIRCUIT - ROUTED ABOVE CEILING OR IN WALL (SEE SPECIFICATIONS)
	BRANCH CIRCUIT - ROUTED IN FLOOR (SEE SPECIFICATIONS)
	HOMERUN TO PANELBOARD - NUMBER OF CIRCUITS/CONDUCTORS AS REQUIRED, CONDUIT SIZE AS REQUIRED (3/4" MINIMUM). INDIVIDUAL NEUTRAL CONDUCTOR REQUIRED PER CIRCUIT. FURNISH AND INSTALL PER NEC REQUIREMENTS.
	BRANCH CIRCUIT - EXPOSED (SEE SPECIFICATIONS).
	EQUIPMENT HOMERUN - NUMBER OF CIRCUITS/CONDUCTORS AS REQUIRED, CONDUIT SIZE AS REQUIRED (3/4" MINIMUM). FURNISH AND INSTALL PER NEC REQUIREMENTS.
	BRANCH CIRCUIT EMERGENCY POWER - ROUTED BELOW GRADE
	BRANCH CIRCUIT EMERGENCY POWER - ROUTED ABOVE CEILING
	FEEDER - OVERHEAD
	FEEDER - UNDERGROUND
	BRANCH CIRCUIT - #10 PHASE CONDUCTORS WITH #10 GROUND THROUGHOUT. CONDUIT SIZE AS REQUIRED (MINIMUM 3/4")
	BRANCH CIRCUIT - #8 PHASE CONDUCTORS WITH #8 GROUND THROUGHOUT. CONDUIT SIZE AS REQUIRED (MINIMUM 3/4")
	RISE - UP
	RISE - DOWN

AUXILIARY LEGEND

	AUXILIARY OUTLET - SEE DETAIL
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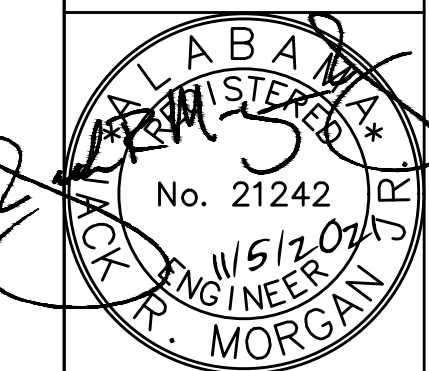


PANEL SCHEDULE

MARK	TYPE	MANS				BRANCHES				MTD.	REMARKS	APPROVED EQUALS	AVAILABLE FAULT CURRENT	SURGE PROTECTION DEVICE	
		TYPE	AMPS	SERVICE	1-POLE	2-POLE	3-POLE	SPARES	SPACES						
MP-E1	SQUARE D LINE HCN 400AMP	MB	400	277/480V 3P-4W	420 A.	7.15 A.	2-30 A, 1-200 A.	2-152, 1-303	—	—	STRUT MOUNTED	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	SURGE SUPPRESSION INC. SDA3Y2-21
MP-E2	SQUARE D LINE HCN 400AMP	MB	400	277/480V 3P-4W	—	—	840 A.	3-603	—	—	STRUT MOUNTED	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	SURGE SUPPRESSION INC. SDA3Y2-21
PBE	SQUARE D NOOD 400AMP	MB	400	120/208V 3P-4W	48-20 A, 11-20 A GFCI	2-15 A, 3-20 A, 3-30 A, 1-45 A.	—	1-302	—	—	SURFACE	2 SECTION PANEL, 42 POSITIONS EACH	G.E., SIEMENS, CUTLER HAMMER	10,000	NONE
MP2-E	SQUARE D PACKAGED LV UNIT SUBSTATION WITH HV MAIN BREAKER, 3KVIA DRY TYPE TRANSFORMER, AND LV MAIN BREAKER IN NEMA 3R ENCLOSURE	MB	15	480/240/120-1P	320 A.	—	—	2-201	—	—	STRUT MOUNTED		G.E., SIEMENS, CUTLER HAMMER	18,000	NONE
MP2-1	SQUARE D PACKAGED LV UNIT SUBSTATION WITH HV MAIN BREAKER, 3KVIA DRY TYPE TRANSFORMER, AND LV MAIN BREAKER IN NEMA 3R ENCLOSURE	MB	15	480/240/120-1P	220 A.	1-30 A.	—	2-201, 1-302	—	—	STRUT MOUNTED		G.E., SIEMENS, CUTLER HAMMER	18,000	NONE
MP2-2	SQUARE D PACKAGED LV UNIT SUBSTATION WITH HV MAIN BREAKER, 3KVIA DRY TYPE TRANSFORMER, AND LV MAIN BREAKER IN NEMA 3R ENCLOSURE	MB	15	480/240/120-1P	220 A.	1-15 A.	—	2-201, 1-302	—	—	STRUT MOUNTED		G.E., SIEMENS, CUTLER HAMMER	18,000	NONE
MP2-3	SQUARE D PACKAGED LV UNIT SUBSTATION WITH HV MAIN BREAKER, 3KVIA DRY TYPE TRANSFORMER, AND LV MAIN BREAKER IN NEMA 3R ENCLOSURE	MB	15	480/240/120-1P	220 A.	1-30 A.	—	2-201, 1-302	—	—	STRUT MOUNTED		G.E., SIEMENS, CUTLER HAMMER	18,000	NONE
MP2-4	SQUARE D PACKAGED LV UNIT SUBSTATION WITH HV MAIN BREAKER, 3KVIA DRY TYPE TRANSFORMER, AND LV MAIN BREAKER IN NEMA 3R ENCLOSURE	MB	15	480/240/120-1P	220 A.	1-30 A.	—	2-201, 1-302	—	—	STRUT MOUNTED		G.E., SIEMENS, CUTLER HAMMER	18,000	NONE
MP2-8	SQUARE D PACKAGED LV UNIT SUBSTATION WITH HV MAIN BREAKER, 3KVIA DRY TYPE TRANSFORMER, AND LV MAIN BREAKER IN NEMA 3R ENCLOSURE	MB	15	480/240/120-1P	420 A.	—	—	2-201	—	—	STRUT MOUNTED		G.E., SIEMENS, CUTLER HAMMER	18,000	NONE
MP2-8	SQUARE D NF 125AMP	MB	30	480/208/120-3P	320 A.	1-30 A.	—	2-201, 1-302	—	—	STRUT MOUNTED		G.E., SIEMENS, CUTLER HAMMER	18,000	NONE
1-A1	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
1-B1	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
1-C1	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
1-A2	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
1-B2	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
1-C2	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
2-A1	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
2-B1	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
2-C1	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
2-A2	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
2-B2	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
2-C2	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
3-A1	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
3-B1	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
3-C1	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
3-A2	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
3-B2	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
3-C2	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
4-A1	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
4-B1	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
4-C1	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
4-A2	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
4-B2	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	
4-C2	SQUARE D NF 125AMP	MLO	60	277/480V 3P-4W	620 A.	—	—	2-201	4-1P	SURFACE	NEMA 3R	G.E., SIEMENS, CUTLER HAMMER	18,000	NONE	

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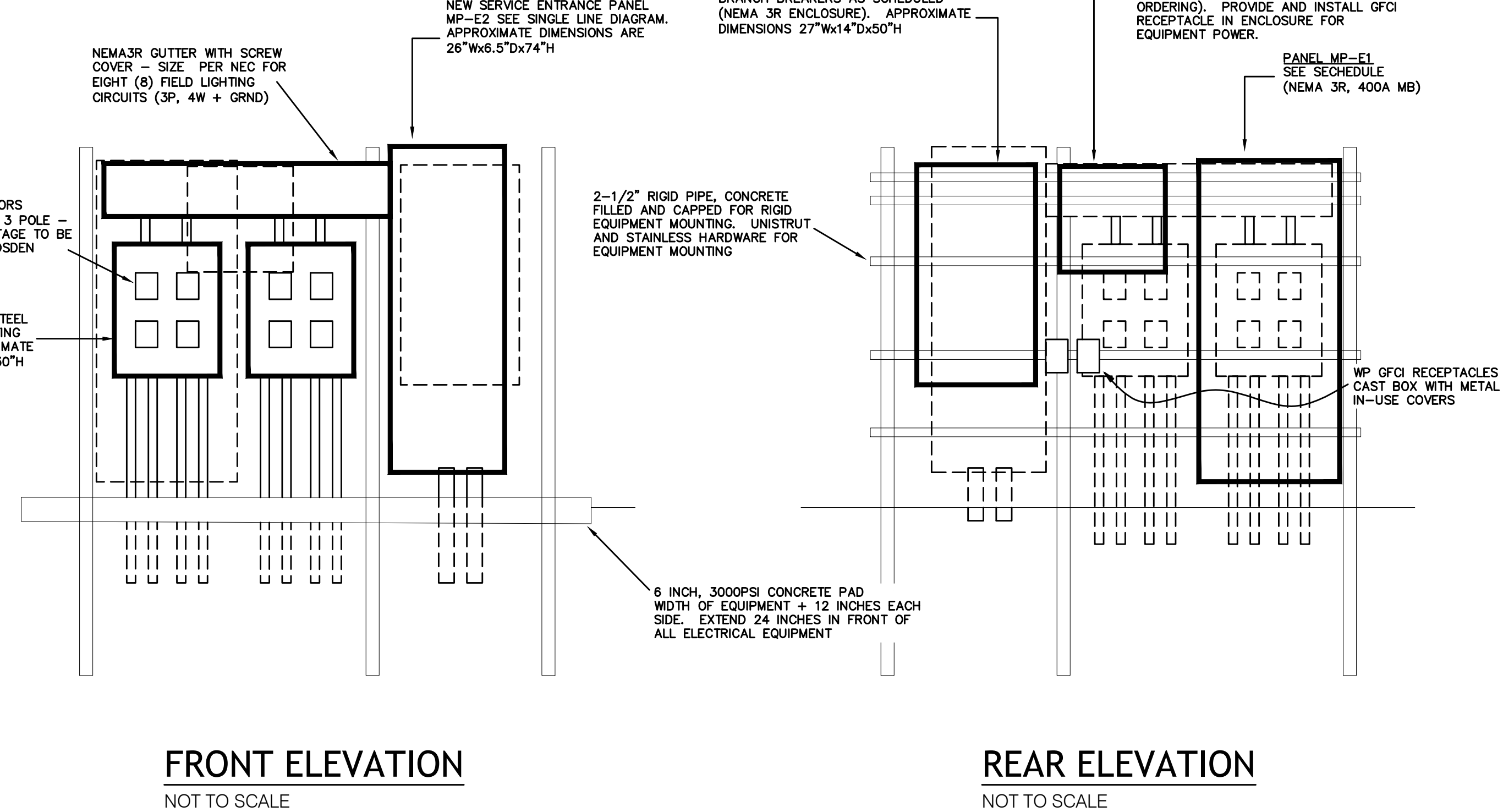
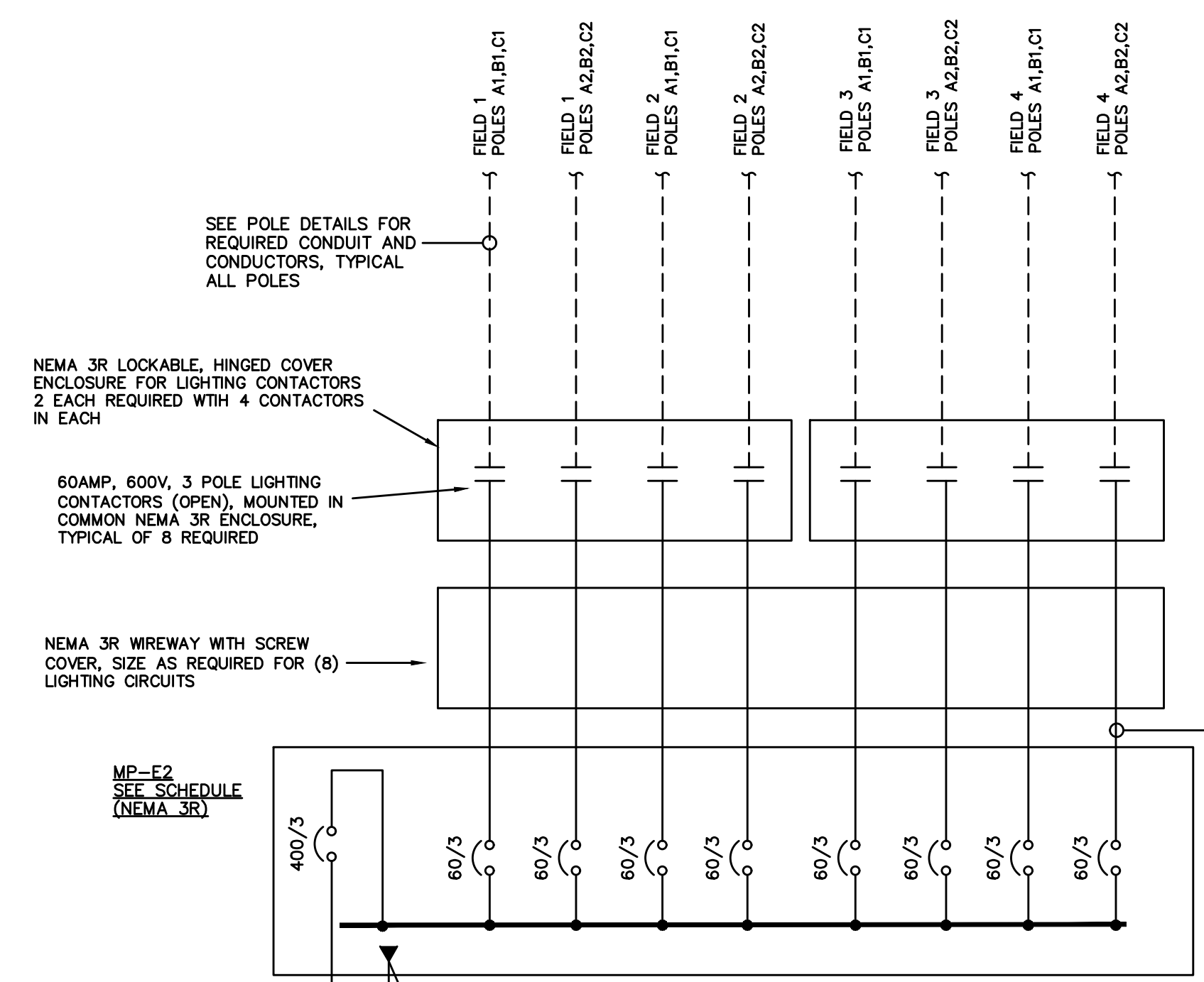
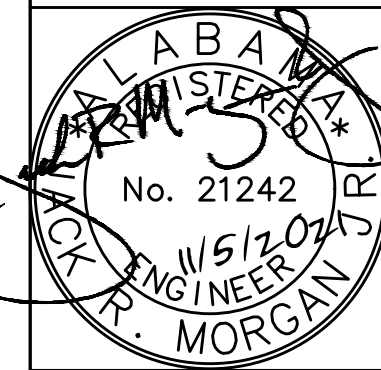


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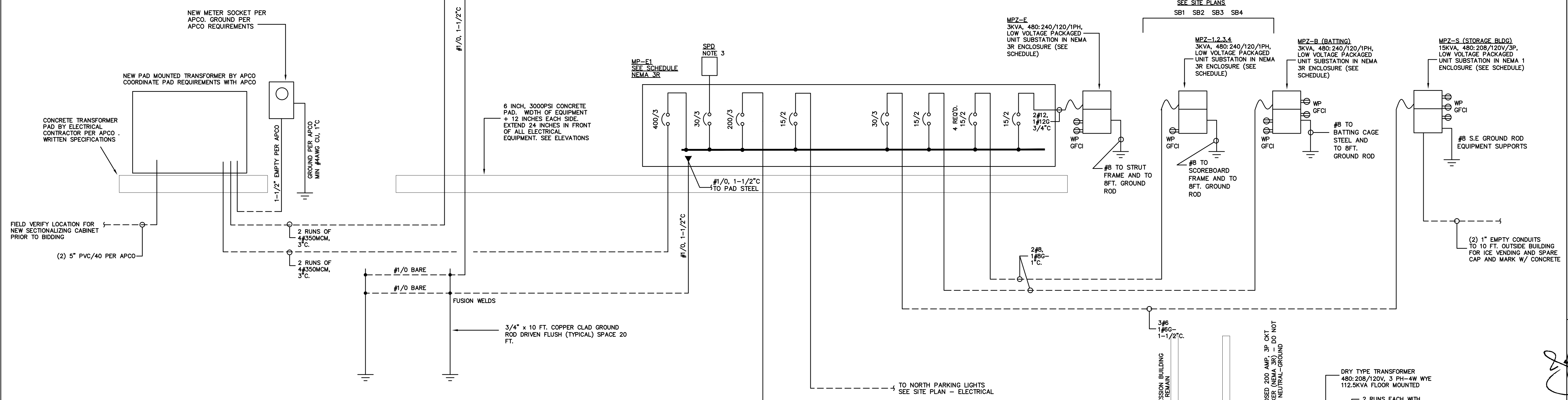
PROJECT NO: 4576-20

SHEET NO. E2



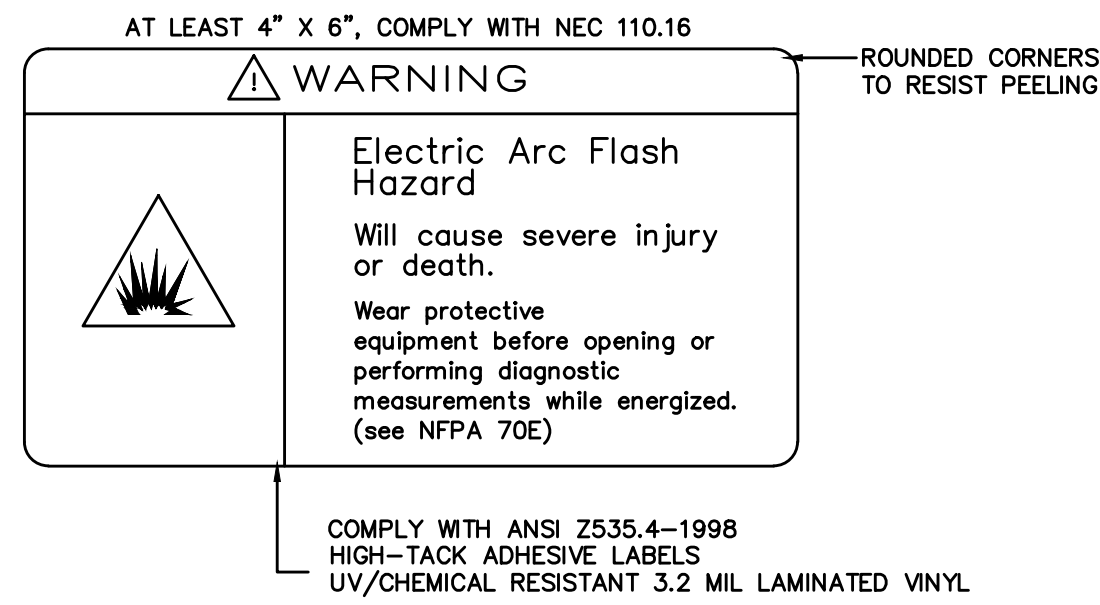
FRONT ELEVATION
NOT TO SCALE

REAR ELEVATION
NOT TO SCALE



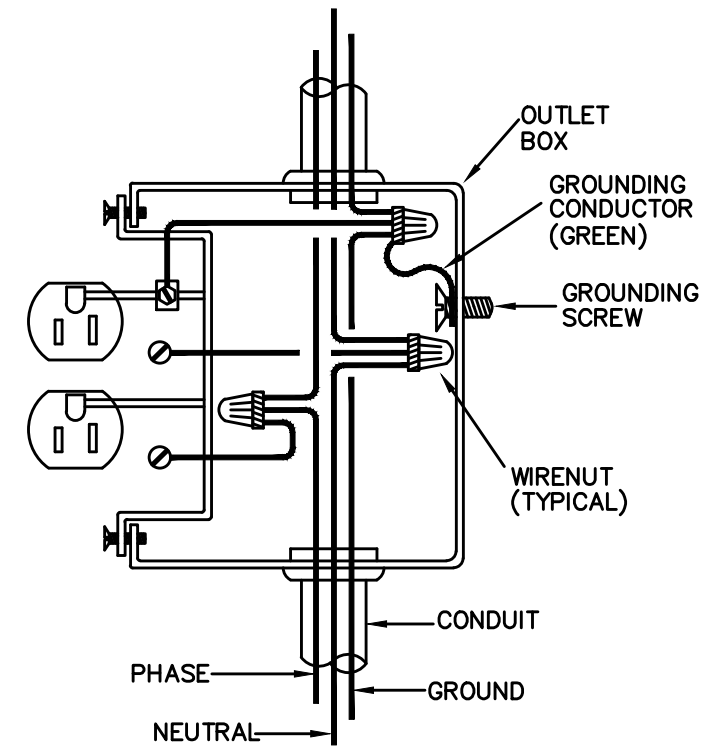
SINGLE LINE DIAGRAM
NOT TO SCALE

- SINGLE LINE NOTES:
- FURNISH AND INSTALL ENGRAVED NAMEPLATES ON ALL ELECTRICAL EQUIPMENT PER DETAIL (THIS SHEET)
 - PROVIDE 4" HOUSEKEEPING PAD. FRONT OF PAD TO BE FLUSH WITH FRONT OF EQUIPMENT AND NOT ENTER CLEAR SPACE REQUIRED PER NEC 110.26.
 - INSTALL SPD IN NEMA3R ENCLOSURE - LEADS AS SHORT AS POSSIBLE.



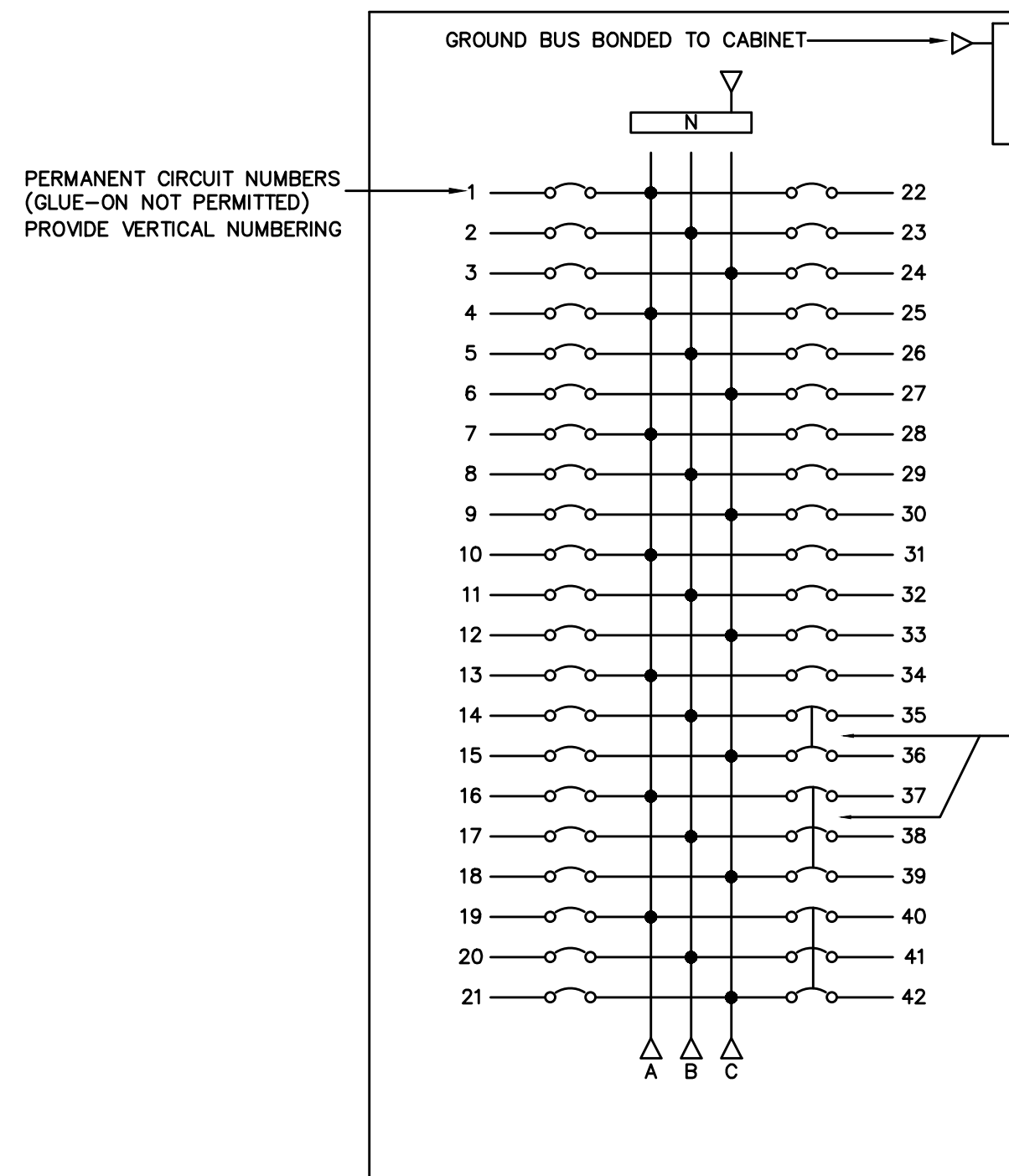
ARC FLASH HAZARD LABEL

ALL ELECTRICAL SWITCHGEAR, PANELS, DISCONNECTS, AND EQUIPMENT PER SPECIFICATIONS
NOT TO SCALE



RECEPTACLE INSTALLATION

NOT TO SCALE

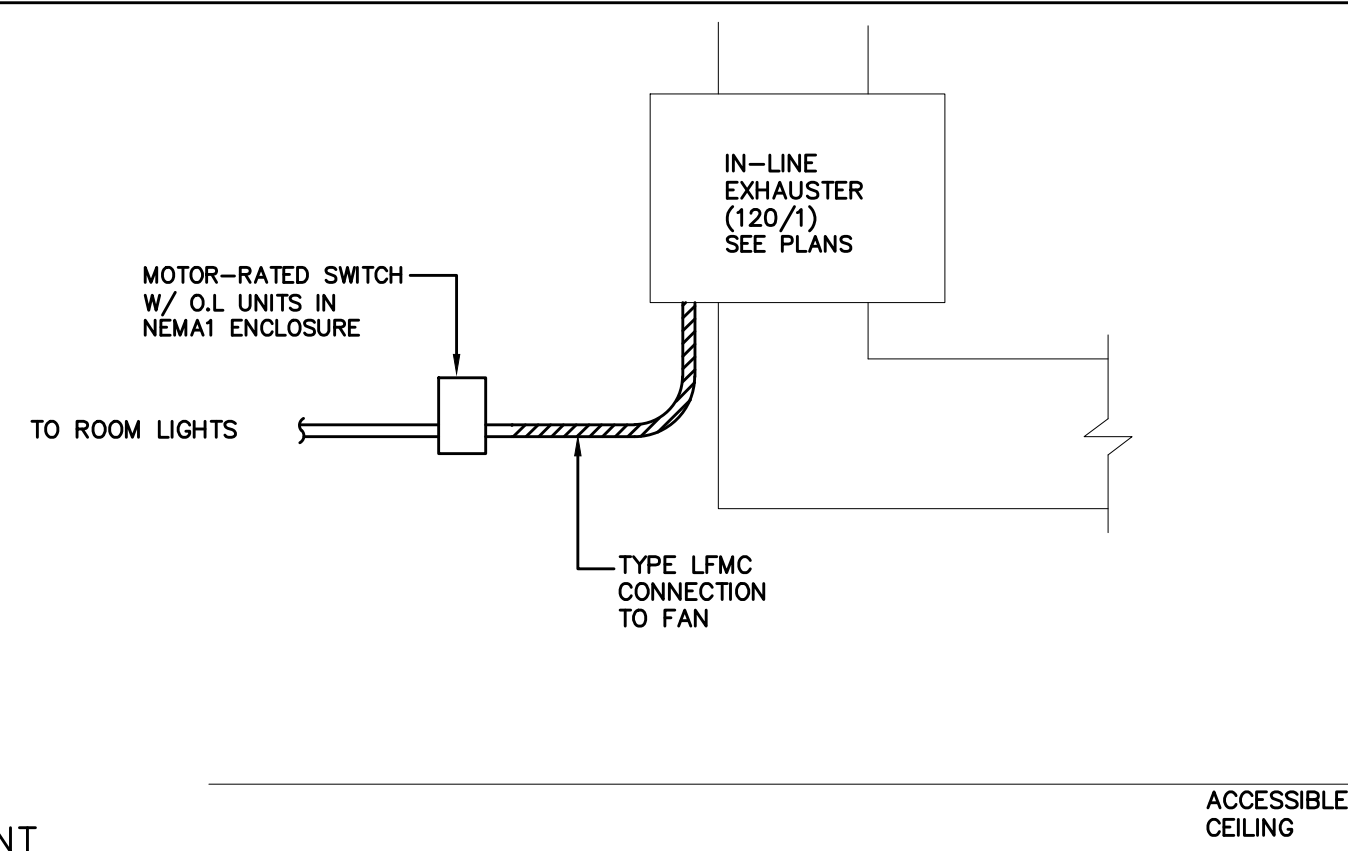


PANELBOARD NOTES

NOT TO SCALE

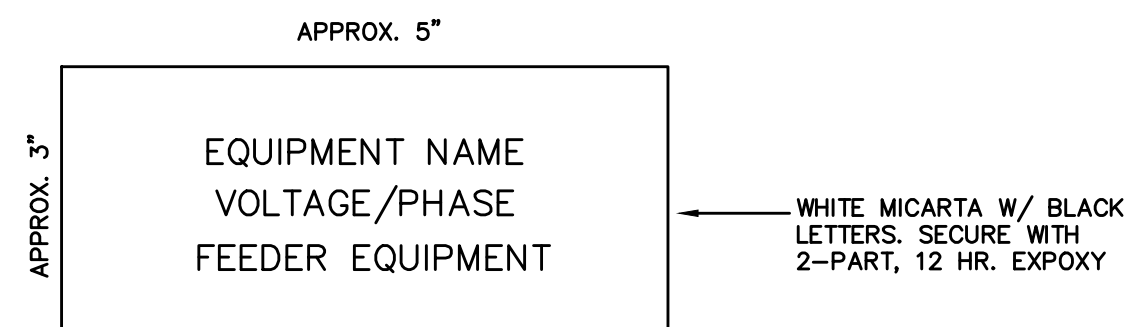
DETAIL NOTES:

- ARRANGE BREAKERS AS FOLLOWS: 1 POLE, LOW TO HIGH TRIP; 2 POLE, LOW TO HIGH TRIP; 3 POLE, LOW TO HIGH TRIP; SPARES THEN SPACE.
- ALL NEMA 1 PANELS TO HAVE DOOR-IN-DOOR (HINGED TRIM) CONSTRUCTION.
- FOR SURFACE MOUNTED PANELS INSTALL ALL NAMEPLATES (PER DETAILS) USING MACHINE SCREWS. FOR FLUSH PANELS IN FINISHED SPACES, INSTALL NAMEPLATES TO INSIDE OF DOOR USING 2 PART EPOXY (12HR)
- FOR ALL FLUSH PANELS, FURNISH AND INSTALL 4EA. 1" EMPTY CONDUITS TO ABOVE NEAREST ACCESSIBLE CLG, LABELS AS SPARES AND PROVIDE REQD. FIRESTOP.
- ALL PANELS TO HAVE WELDED METAL DIRECTORY CARD HOLDERS.



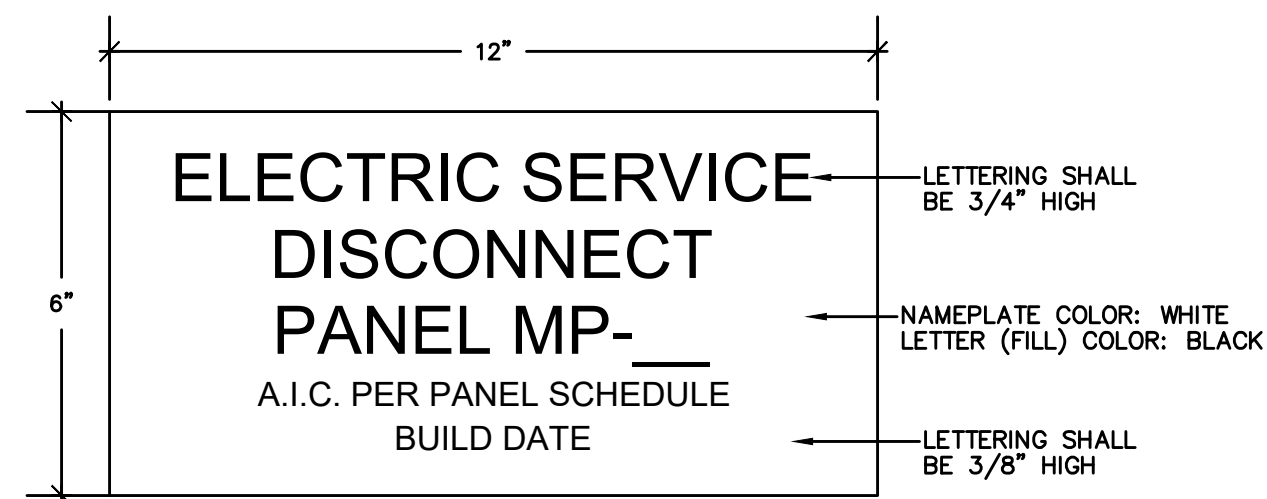
IN LINE EXHAUST FANS

CONTROLLED WITH ROOM LIGHTS
NOT TO SCALE



TYPICAL NAMEPLATES

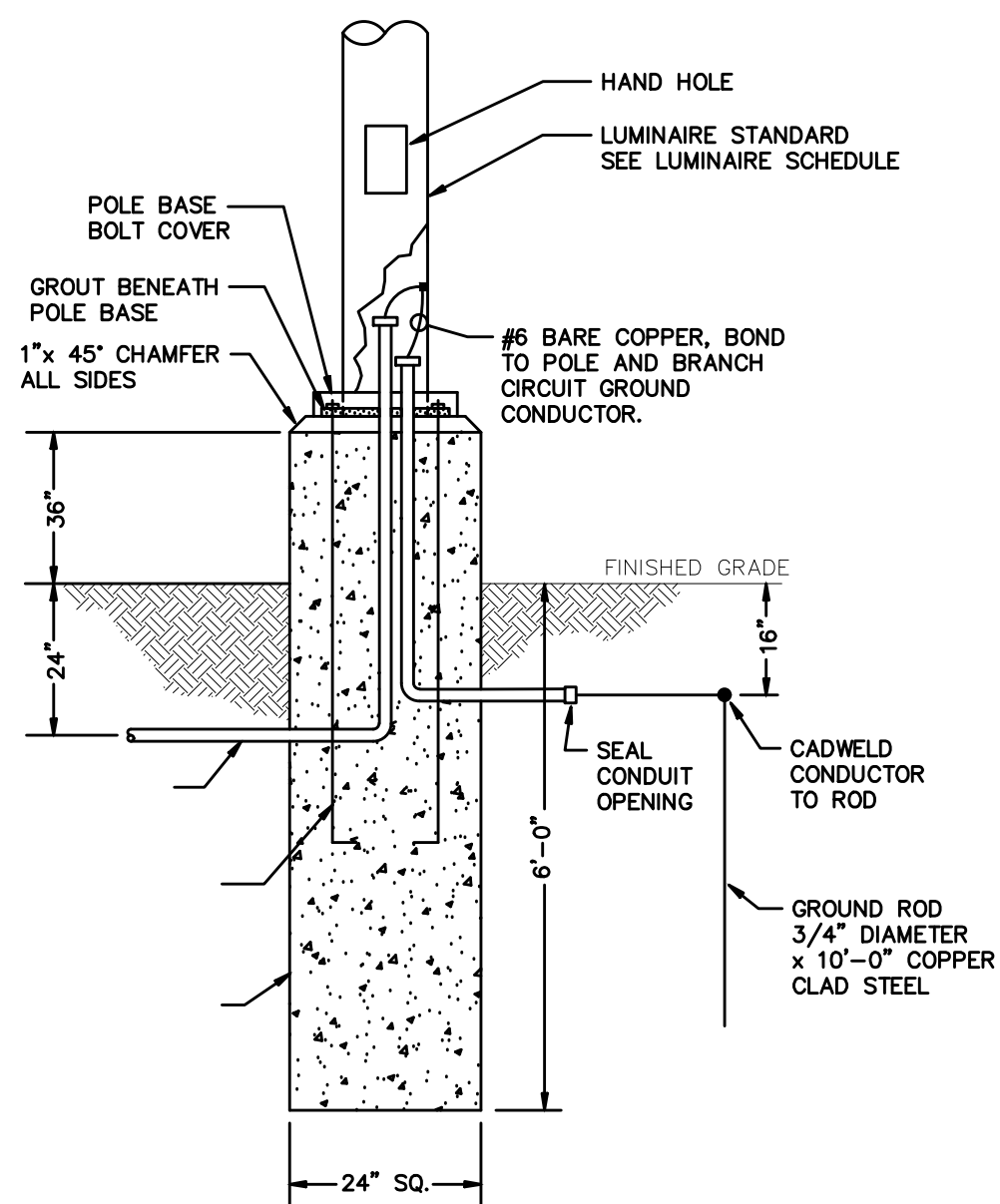
ALL ELECTRICAL EQUIPMENT PER SPECIFICATIONS
NOT TO SCALE



SERVICE ENTRANCE NAMEPLATES

NOT TO SCALE

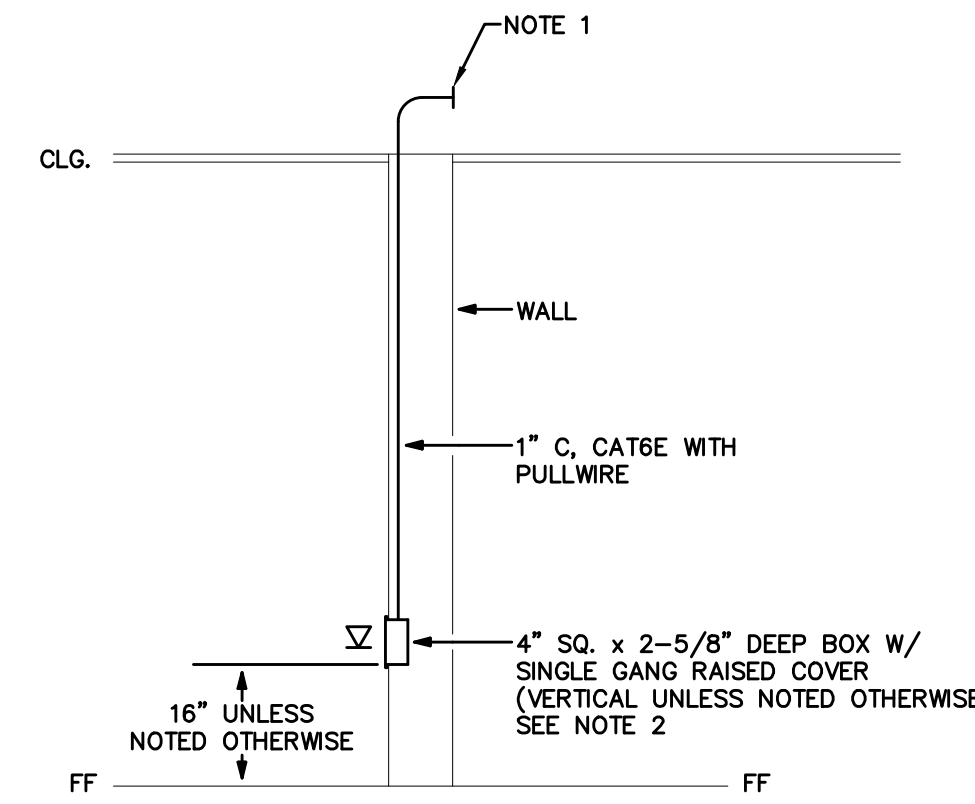
MP-E1, MP-E2



PARKING POLE BASE DETAIL

NOT TO SCALE

FIXTURE 'PL1'

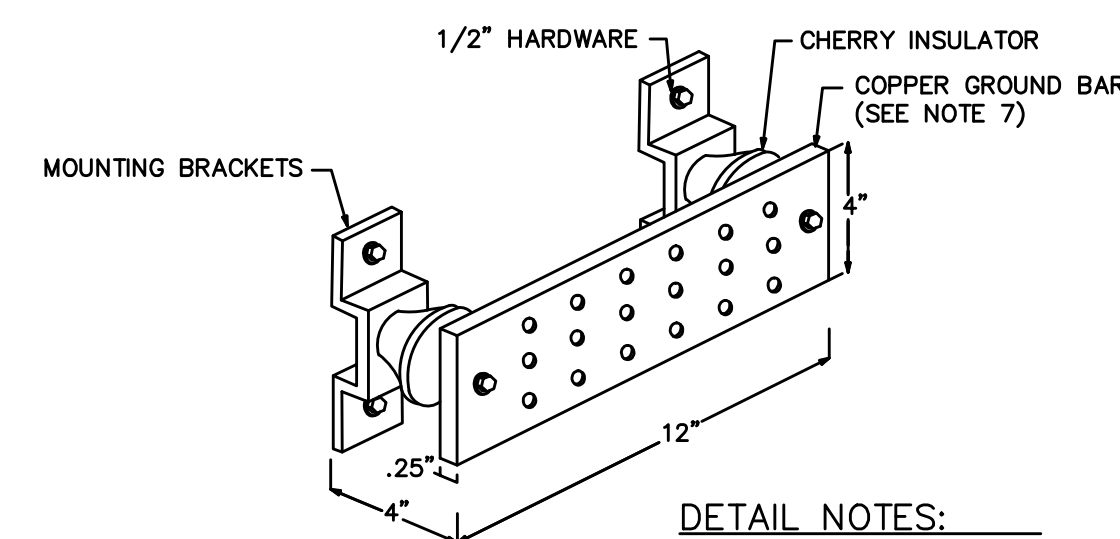


AUXILIARY OUTLET

NOT TO SCALE

AUXILIARY OUTLET DETAIL NOTES

- ROUTE ALL AUXILIARY CONDUITS TO AUXILIARY BACKBOARD BB1 AND TERMINATE IN RACK. LABEL ALL CONDUITS PER SPECIFICATIONS. PROVIDE PULL WIRE ALL CONDUITS.
- DATA OUTLET - FLUSH MOUNTED IN 4" SQUARE BOX WITH SINGLE GANG RAISED COVER. FURNISH AND INSTALL TWO (2) EACH CAT6 CONNECTORS (LEVITON# 61110-R*6) WITH DATA ICONS, ONE EACH JUMBO STAINLESS STEEL FACEPLATE WITH PORT CAPACITY AS REQUIRED TO PROVIDE ONE FUTURE PORT) WITH ONE EACH BLANK (LEVITON# 41084-B*6). FURNISH AND INSTALL TWO (2) EACH CAT6 PLENUM RATED CABLES FROM OUTLET TO AUXILIARY EQUIPMENT RACK VIA CONDUIT. ALL CABLES SHALL BE TERMINATED, BOTH ENDS, AS DIRECTED BY OWNER.

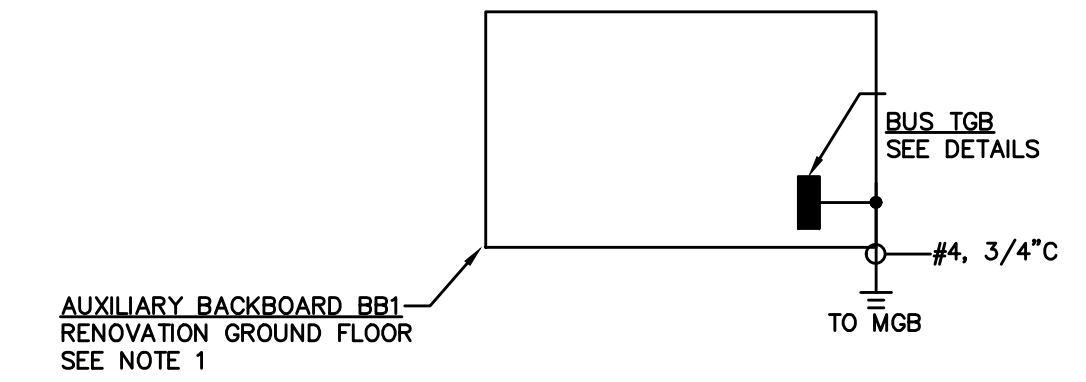


TYPICAL GROUND BUS

NOT TO SCALE

DETAIL NOTES:

- FURNISH AND INSTALL BUS BAR AND CONDUCTORS AS SHOWN UNLESS OTHERWISE NOTED.
- LABEL ALL BUS BARS WITH PERMANENT ENGRAVED NAMEPLATE.
- GROUNDING CONDUCTORS, OTHER THAN AC POWER FEEDERS SHALL BE INSTALLED IN NONMETALLIC RIGID CONDUITS EXCEPT AS NOTED.
- GROUND BAR CONDUCTORS SHALL NOT SHARE CONDUITS OR PULL BOXES WITH CONDUCTORS OR CABLES OF OTHER SYSTEMS.
- PULL BOX USED FOR GROUND CONDUCTORS SHALL BE NONMETALLIC.
- SEE SPECIFICATIONS FOR REQUIRED MAXIMUM RESISTANCE TO GROUND.
- GROUND BAR KIT SHALL BE OTRONICS# WNB-12 MOUNT INSULATORS DIRECT TO INSIDE BACKING OF NEMA 3R ENCLOSURE (SEE EQUIPMENT ELEVATIONS FOR APPROXIMATE LOCATION). ENCLOSURE SHALL BE SIZE SUCH THAT ADEQUATE WIRE BENDING SPACE IS PROVIDED ON ALL SIDES.
- FURNISH AND INSTALL A MAIN GROUND BUS AT EACH SERVICE LOCATION.



AUXILIARY RISER

SCALE: NOT TO SCALE

AUXILIARY RISER NOTES:

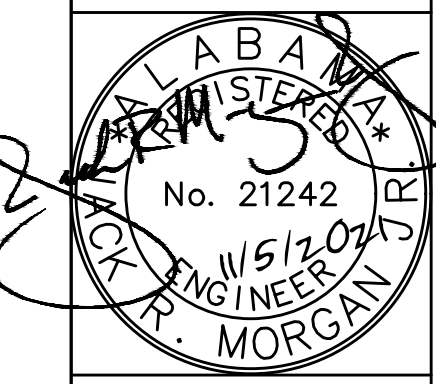
- AUXILIARY EQUIPMENT RACK LOCATION, FURNISH AND INSTALL ALL EQUIPMENT AS LISTED BELOW/ REQUIRED:
 - FURNISH AND INSTALL ONE (1) EACH EQUIPMENT RACK (MIDDLE ATLANTIC# CWR-18-32PD).
 - 48 PORT PATCH PANEL SHALL BE LEVITON# 69586-U48 (48-PORT, CAT6 HIGH-DENSITY PATCH PANEL). PROVIDE QUANTITY AT EACH LOCATION AS REQUIRED FOR ALL HORIZONTAL DATA AND VOICE CABLE TERMINATIONS WITH ADDITIONAL SPACE FOR 10% FUTURE GROWTH. ALL DATA AND VOICE CABLES TO BE PATCHED TO SEPARATE PATCH PANELS. DATA PATCH PANELS SHALL BE PATCHED TO NETWORK SWITCHES. VOICE PATCH PANELS SHALL BE PATCHED TO TELCO PATCH PANELS. NETWORK SWITCHES TO BE MOUNTED BETWEEN PATCH PANELS. COORDINATE WITH UAH IT DEPARTMENT FOR EXACT CONFIGURATION PRIOR TO ANY WORK.
 - 1 RACK UNIT HORIZONTAL CABLE MANAGER SHALL BE LEVITON# 491RU-HFR. PROVIDE FOUR (4) EACH PER 48 PORT PATCH PANEL. ONE EACH ABOVE EACH 48 PORT PATCH PANEL AND ONE EACH BELOW EACH 48 PORT PATCH PANEL. ONE EACH ABOVE EACH NETWORK SWITCH - SWITCH TO BE FURNISHED AND INSTALLED BY OTHERS AND ONE EACH BELOW EACH NETWORK SWITCH - SWITCH TO BE FURNISHED AND INSTALLED BY OTHERS.
 - RACK GROUNDING KIT SHALL BE HOFFMAN# PGK. PROVIDE 1 PER RACK AND CONNECT TO TELECOM GROUND BAR.
 - RACK GROUND BUS SHALL BE PGS4K. PROVIDE 1 PER RACK AND CONNECT TO TELECOM GROUND BAR.
 - RACK MOUNT FIBER CABINETS. CABINET SHALL BE CORNING# CCH-01U COMPLETE WITH CASSETTES (CORNING# CCH-CS12-E4-POOTE) AS REQUIRED TO TERMINATE ALL FIBER PAIRS.
 - AT EACH CABINET PROVIDE, AT A MINIMUM, THE FOLLOWING ACCESSORIES: COLOR CODED CABLE MANAGEMENT STRAPS (TO COORDINATE COLOR SCHEME WITH OWNER PRIOR TO ORDERING), 24" TUBULAR RUNWAY FOR ALL HORIZONTAL AND BACKBONE ENTRIES INTO RACK, 2 EACH VERTICAL POWER STRIPS (20AMP, 12 POSITION, WITH AMP METER - NO SWITCH), EQUIPMENT GROUND ASSEMBLY AND LADDER RACK SUPPORT.
 - FURNISH AND INSTALL FOUR (4) EACH UPS (5KVA - ONE PER CABINET) BY APC MODEL# APC SMART-UPS ON-LINE RT 5000VA RM 208V TO 208/120V, RACK MOUNT WITH NETWORK CARD (COORDINATE OUTPUT CONFIGURATION WITH UAH IT DEPARTMENT). 1 UPS PER RACK.
 - FURNISH AND INSTALL 110 BLOCKS AS REQUIRED FOR COPPER BACKBONE TERMINATION. FURNISH AND INSTALL COPPER CABLE ENTRANCE PROTECTORS FOR ALL NEW COPPER BACKBONE CABLING ROUTED OUTSIDE BUILDING ENVELOPE.
 - NETWORK SWITCHES TO BE FURNISHED UNDER ALLOWANCE. NETWORK SWITCHES TO BE INSTALLED AND SET-UP BY STRUCTURED CABLING CONTRACTOR. PROGRAMMING BY OWNER
 - WIRELESS ACCESS POINTS (WIRELESS ROUTERS) AND THEIR ASSOCIATED CONTROLLERS TO BE FURNISHED UNDER ALLOWANCE. WIRELESS ACCESS POINTS (WIRELESS ROUTERS) AND THEIR ASSOCIATED CONTROLLERS TO BE INSTALLED, SET-UP, PROGRAMMED AND CONNECTED BY STRUCTURED CABLING CONTRACTOR.
 - FURNISH AND INSTALL NEW COPPER CABLE ENTRANCE PROTECTORS ON RG11 BACKBONE CABLING ROUTED OUTSIDE BUILDING ENVELOPE.

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Phase 2

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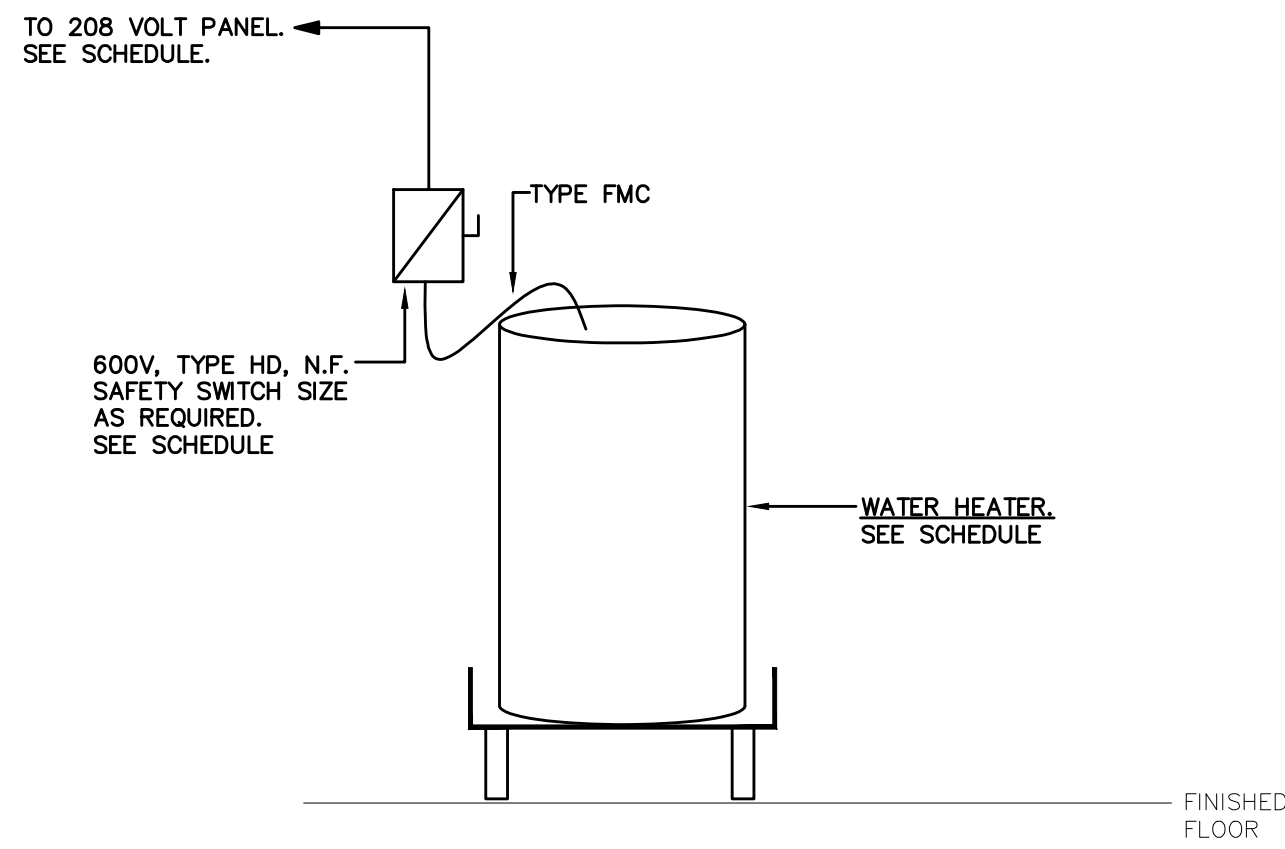
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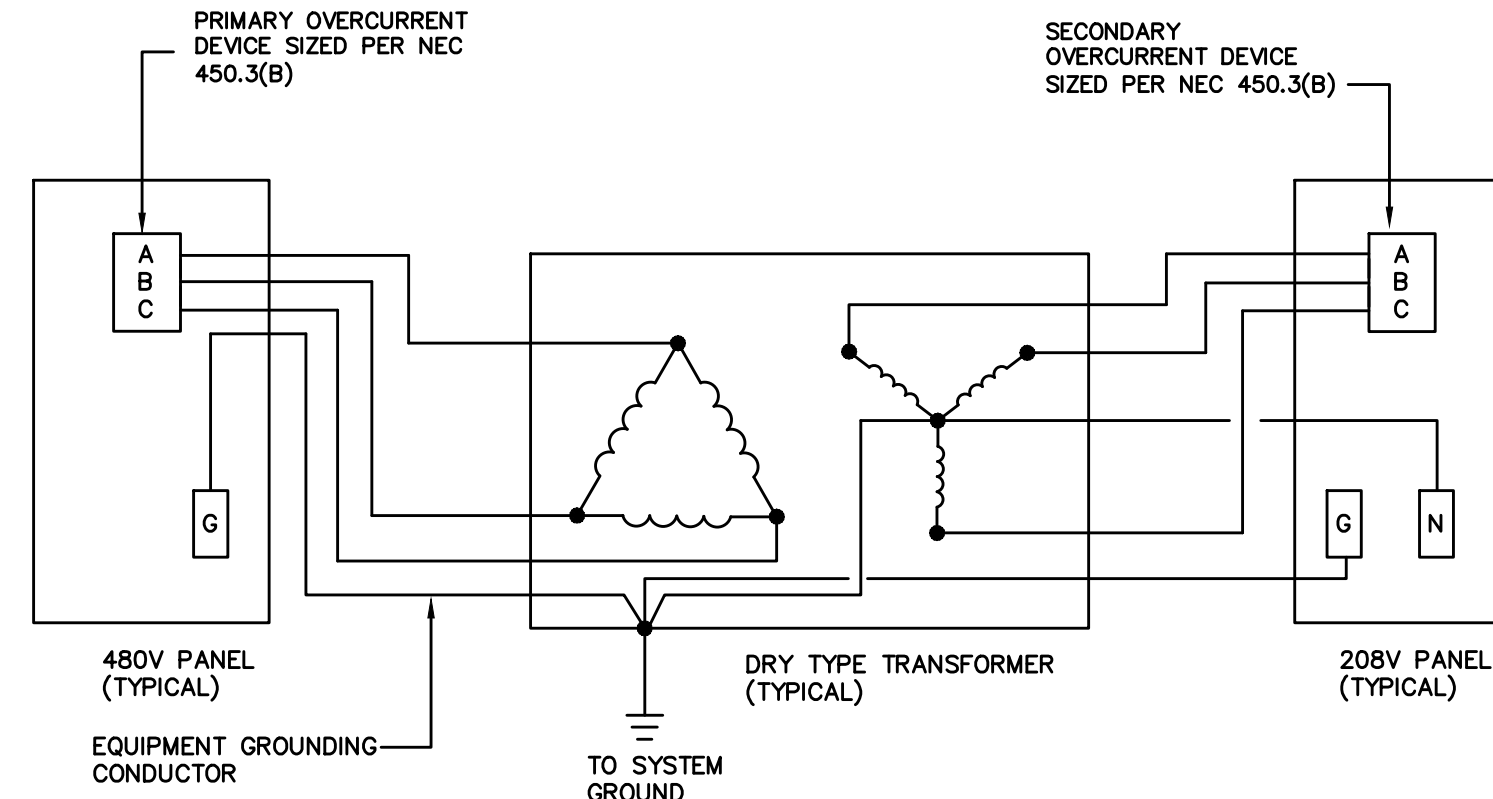


ELECTRIC WATER HEATER ROUGHING

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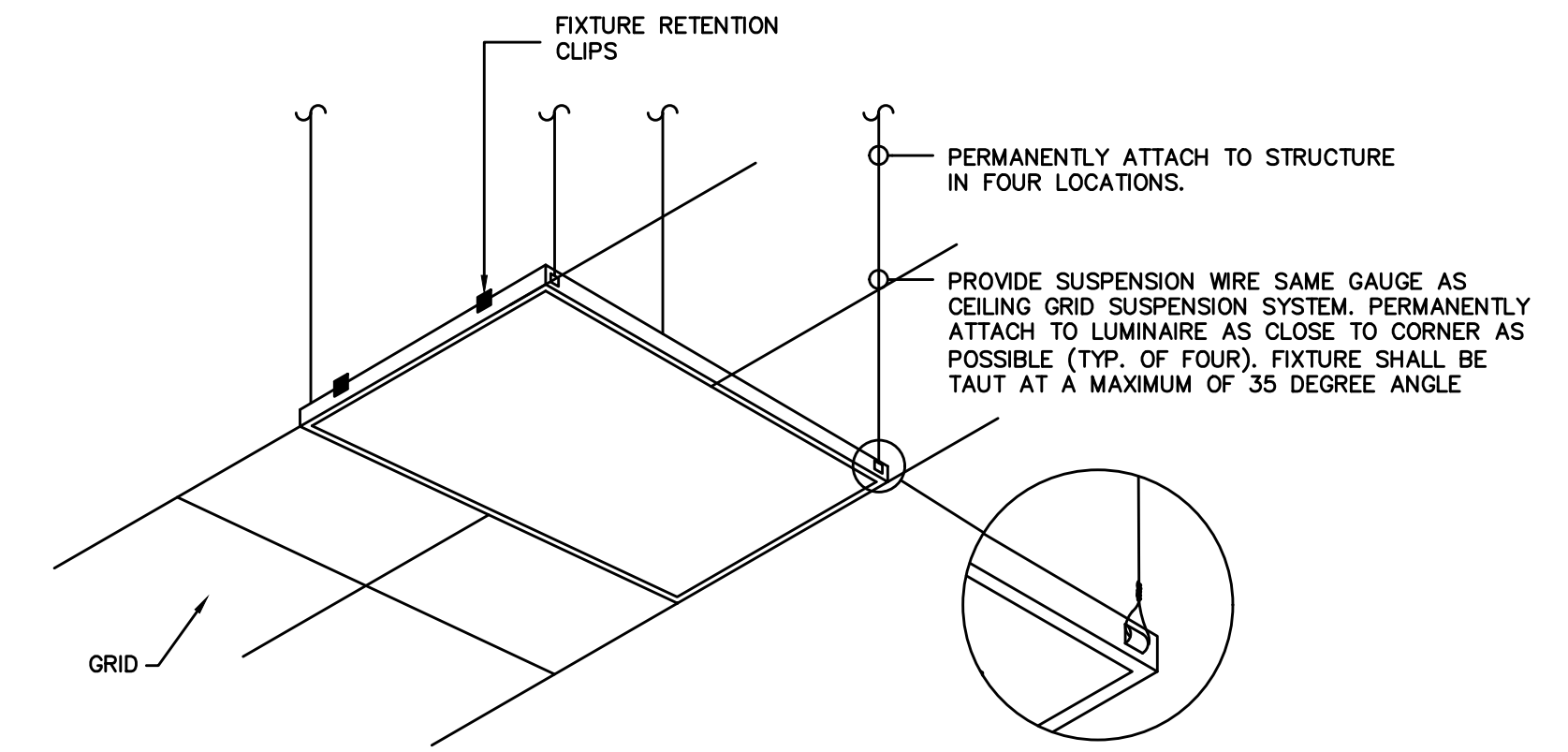
DETAIL NOTES:

- COORDINATE LOCATIONS FOR ALL WATER HEATERS WITH FINAL MECHANICAL DRAWINGS PRIOR TO ROUGHING.
- SAFETY SWITCH (SIZE AS REQUIRED) SECURED FLUSH TO STRUCTURE AT +48" TO BOTTOM.
 - FOR EQUIPMENT REQUIRING CONDUCTORS SIZES #8 OR SMALLER, FURNISH AND INSTALL 4" SQUARE BOX FLUSH MOUNTED IN WALL STRUCTURE WITH SINGLE GANG PLASTER RING. ROUTE CONDUIT (1" MAXIMUM) CONCEALED IN WALL TO BELOW SLAB, RISE AND TERMINATE AT DESIGNATED PANEL. MOUNT EQUIPMENT SAFETY SWITCH COVERING BOX OPENING IN WALL AND PENETRATE SWITCH BACK WITH SMOOTH CHASE FOR CONDUCTORS.
 - SEE ELECTRICAL SPECIFICATIONS FOR ALLOWABLE CONDUIT ROUGHING.
- PAINT ALL EXPOSED CONDUITS TO MATCH WALL/CEILING FINISHES.



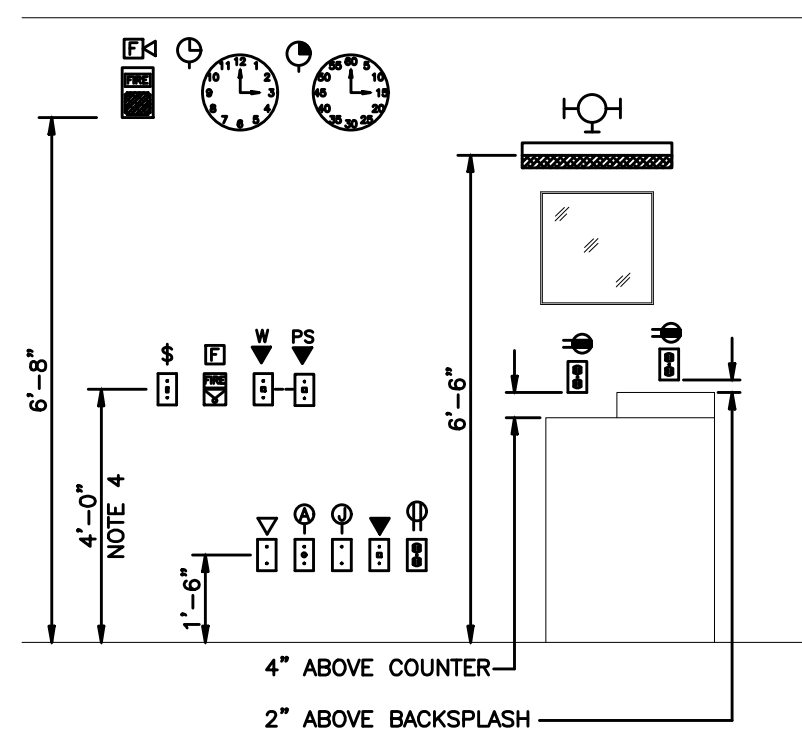
TRANSFORMER GROUNDING

NOT TO SCALE



RECESSED FIXTURE SUPPORTS

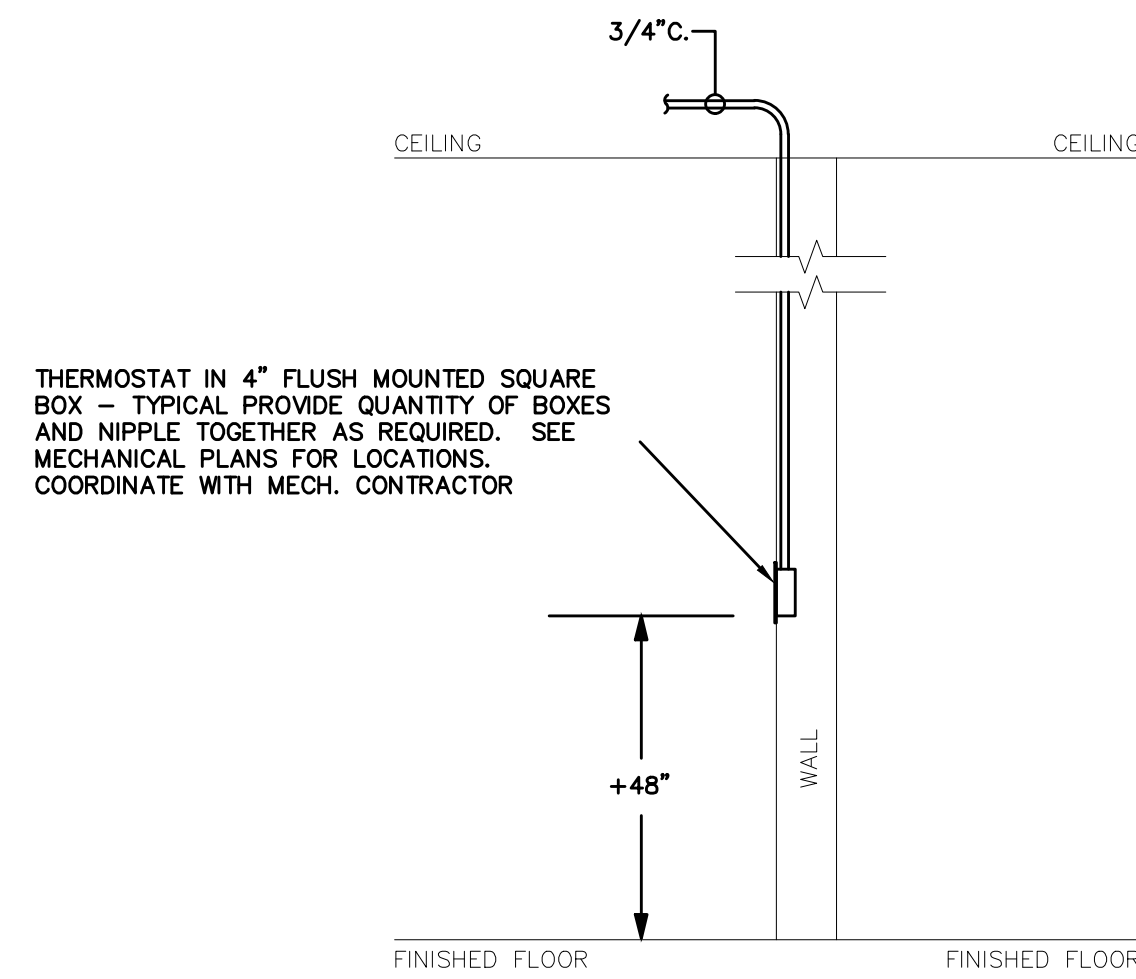
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MOUNTING HEIGHTS

NOT TO SCALE

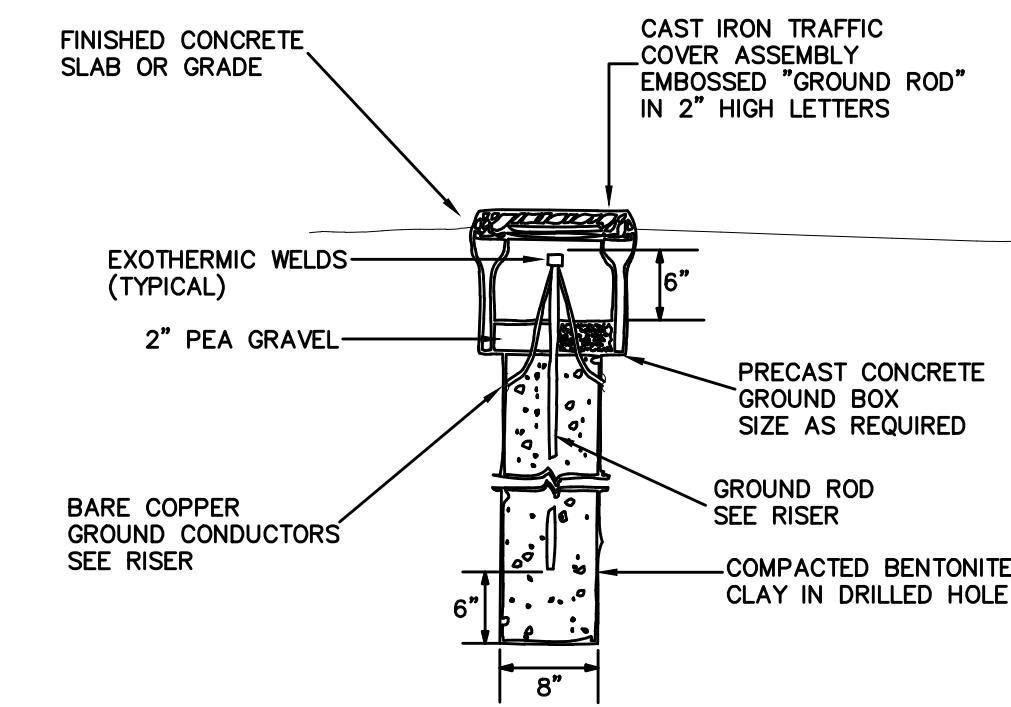
- NOTES:
- INDICATED MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO CENTERLINE OF OUTLET BOX, UNLESS OTHERWISE NOTED.
 - REFER TO ARCHITECTURAL DETAILS FOR ADDITIONAL REQUIREMENTS.
 - INSTALL OUTLETS THAT ARE IN CLOSE PROXIMITY ON THE SAME CENTERLINE.
 - INDICATED DEVICES MOUNTED IN A BLOCK WALL SHALL BE 4'-0" TO TOP OF COVER PLATE.



THERMOSTAT IN 4" FLUSH MOUNTED SQUARE BOX - TYPICAL PROVIDE QUANTITY OF BOXES AND NIPPLE TOGETHER AS REQUIRED. SEE MECHANICAL PLANS FOR LOCATIONS. COORDINATE WITH MECH. CONTRACTOR

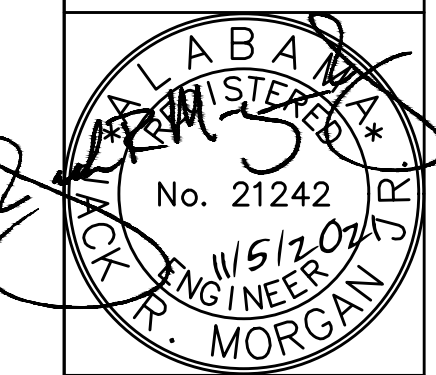
MECHANICAL CONTROLS

NOT TO SCALE SYMBOLS: Ⓞ



GROUND ROD TEST WELLS (1 REQ. PER SERVICE)

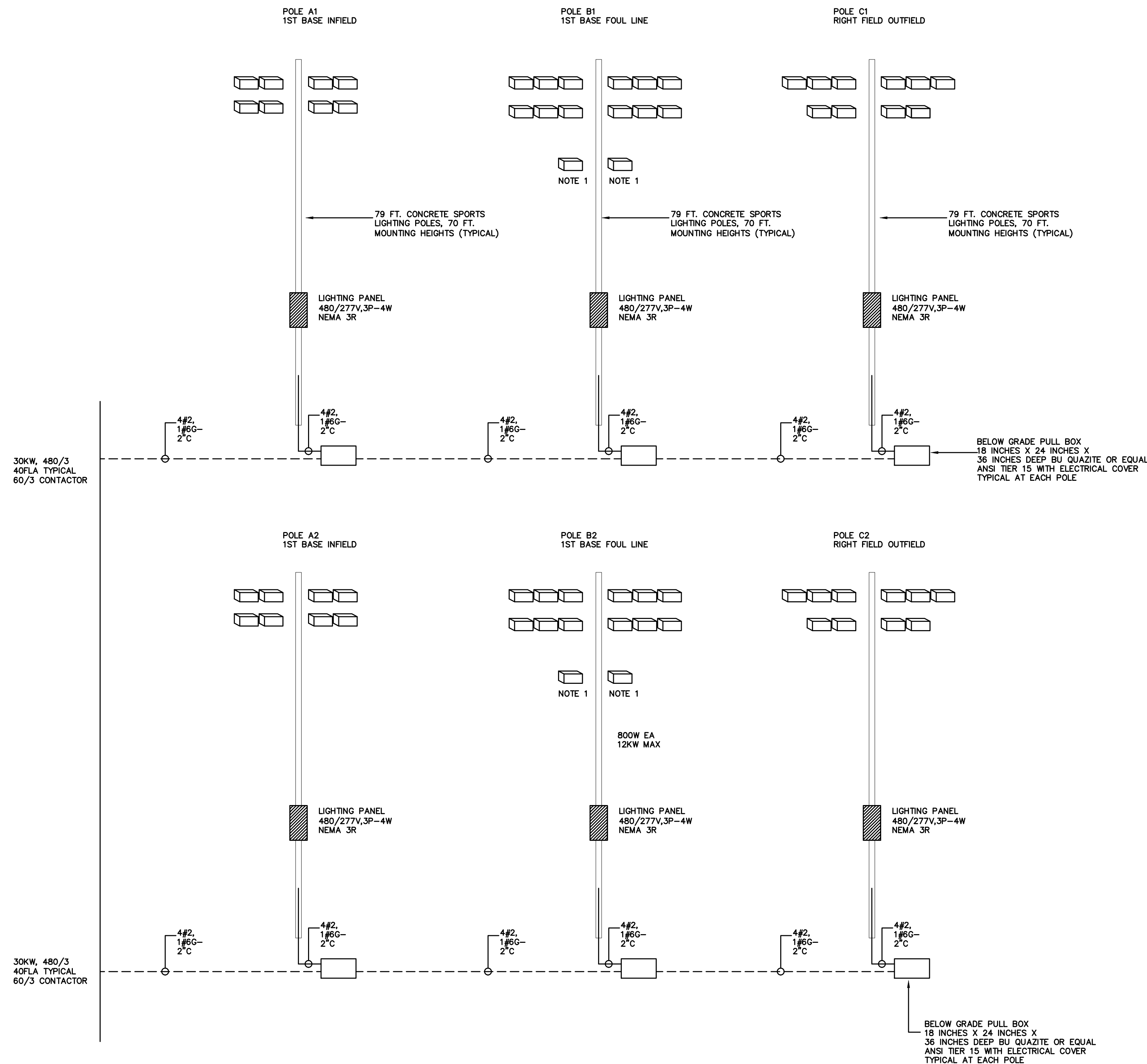
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EAST BB/SB FIELDS

NOT TO SCALE
TYPICAL OF FIELDS #1, #2, #3 & #4

NOTES THIS SHEET:

1. AT FIELD #2, PROVIDE AND INSTALL (2) LED SPORTS LIGHTING FIXTURES FOR BATTING CAGE AREA ON POLE 2-B1. AT FIELD #3, PROVIDE AND INSTALL (2) LED SPORTS LIGHTING FIXTURES FOR BATTING CAGE AREA ON POLE 3-B2.

SPORTS LIGHTING COMPLIANCE TESTING AND VERIFICATION

ALL TESTING AND COMPUTER ANALYSIS SHALL GENERATE VALUES BASED UPON THE FOLLOWING GRID SIZE AND NUMBER OF TARGET POINTS PER LM-5, THE IESNA GUIDE OR PHOTOMETRIC TESTING OF AREA AND SPORTS LIGHTING INSTALLATIONS.

GRID SIZES PROVIDED BY FIXTURE MANUFACTURER.

TEST POINTS PROVIDED BY FIXTURE MANUFACTURER.

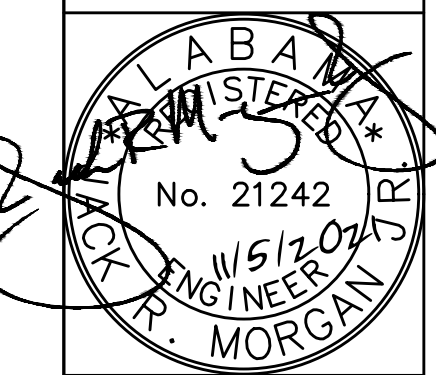
FIELD MEASUREMENTS - THE LIGHT METER SHALL BE IN A HORIZONTAL POSITION 36" ABOVE THE PLAYING SURFACE. TO EVALUATE THE ACTUAL PERFORMANCE OF THE INSTALLATION, ILLUMINATION MEASUREMENTS SHOULD BE MADE IN THE FIELD ON THE GRIDS AND NUMBER OF TESTS POINTS AS SHOWN ON THE PLANS. THESE READINGS SHOULD BE TAKEN WITH THE OWNER OR THEIR REPRESENTATIVE PRESENT.

FOR FINAL APPROVAL, THE MANUFACTURER'S REPRESENTATIVE SHALL PROVIDE A FINAL REPORT FROM THE TEST RESULTS THAT SHALL PROVIDE THE FOLLOWING ITEMS:

- NAME OF INSTALLATION
- DATE AND TIME OF TEST
- DESCRIPTION OF WEATHER
- NUMBER OF HOURS OF OPERATION OF THE LIGHTING SYSTEM
- TYPE, MAKE, SERIAL NUMBER AND A COPY OF CALIBRATION CERTIFICATE FOR THE LIGHT METER USED. LIGHT METER MUST DISPLAY TO .01
- IDENTIFICATION OF NUMBER AND LOCATION OF TEST GRID
- ACTUAL HORIZONTAL FOOT-CANDLES TAKEN AT EACH TEST POINT
- MAXIMUM TO MINIMUM RATIOS
- COEFFICIENT OF VARIATION
- UNIFORMITY GRADIENT

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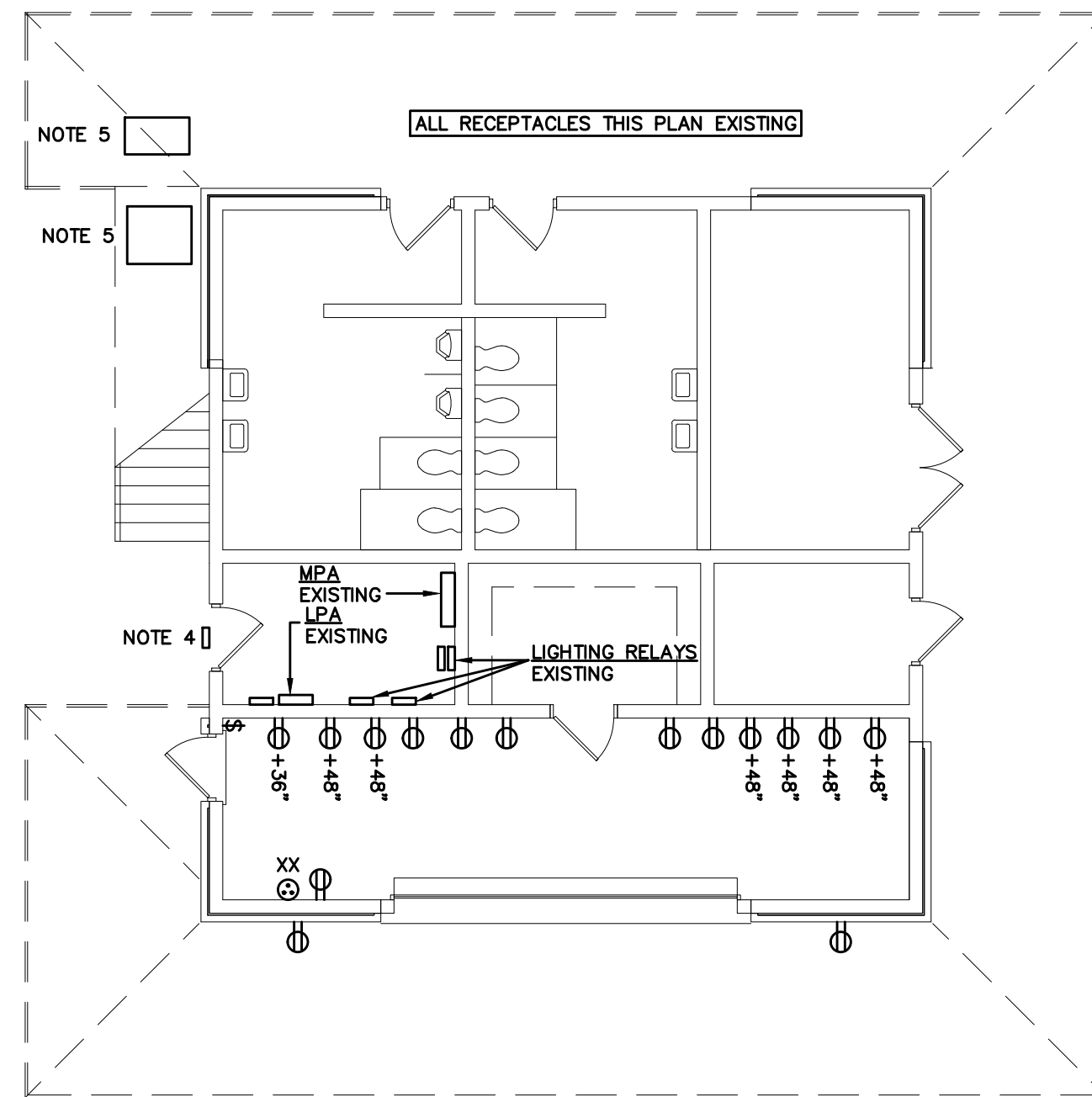
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SHEET NO. E4.3

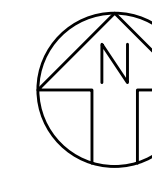
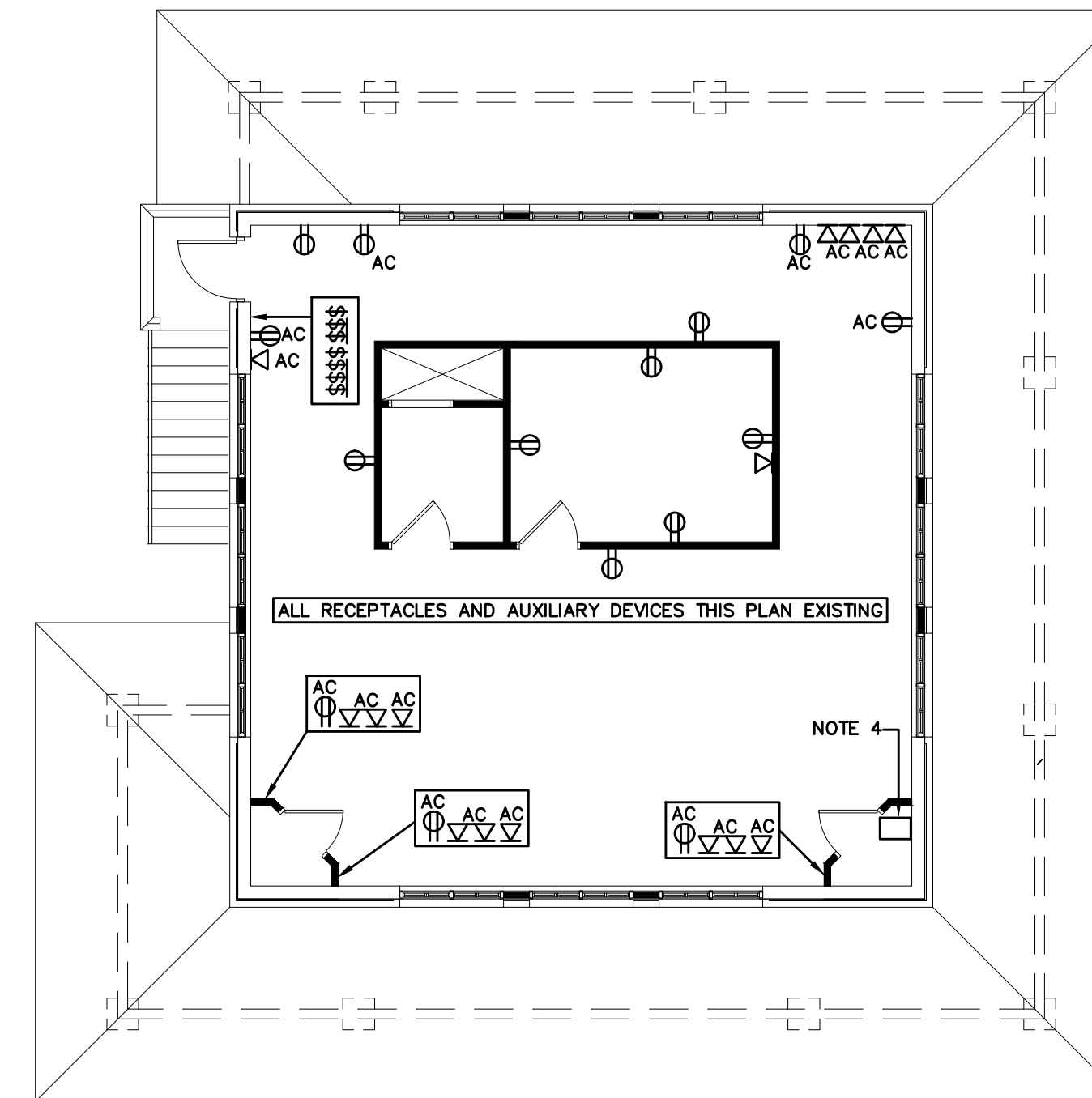


FIRST FLOOR - ELECTRICAL DEMOLITION

SCALE: 1/8" = 1'-0"

ELECTRICAL DEMOLITION NOTES:

- EXISTING RECEPTACLE BOXES SHOWN FOR LOCATIONS ONLY. ALL EXISTING RECEPTACLES AND BRANCH CIRCUIT WIRING TO BE REMOVED COMPLETE. ELECTRICAL CONTRACTOR TO REUSE EXISTING CONDUIT AND BOXES WHERE FEASIBLE. ANY/ALL UNUSED BOXES PROVIDE STAINLESS BLANK PLATES OR PATCH PER ARCHITECTS DIRECTION.
- EXISTING AUXILIARY DEVICE BOXES SHOWN FOR LOCATIONS ONLY ALL EXISTING AUXILIARY CABLES TO BE REMOVED COMPLETE. ELECTRICAL CONTRACTOR TO REUSE EXISTING CONDUIT AND BOXES WHERE FEASIBLE. ANY/ALL UNUSED BOXES PROVIDE STAINLESS BLANK PLATES OR PATCH PER ARCHITECTS DIRECTION.
- DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES, BRANCH CIRCUIT WIRING AND SWITCHES COMPLETE.
- EXISTING OUTDOOR LINK LIGHTING CONTROL SYSTEM - DISCONNECT AND REMOVE COMPLETE. EXISTING LINK SYSTEM TO BE REUSED ONCE NEW LIGHTING SYSTEM IS IN PLACE. COORDINATE WITH OWNER/OUTDOOR LINK PRIOR TO REMOVAL AND INSTALL. SEE SINGLE LINE DIAGRAM.
- DISCONNECT AND REMOVE EXISTING HVAC SYSTEM BRANCH CIRCUIT WIRING COMPLETE FOR UNIT REMOVAL BY OTHERS. COORDINATE WITH MECHANICAL FOR REQUIREMENTS.



SECOND FLOOR - ELECTRICAL DEMOLITION

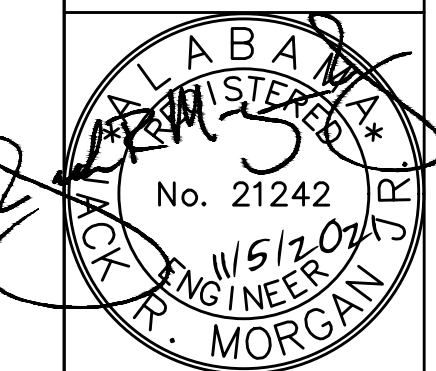
SCALE: 1/8" = 1'-0"

ELECTRICAL DEMOLITION NOTES:

- EXISTING RECEPTACLE BOXES SHOWN FOR LOCATIONS ONLY ALL EXISTING RECEPTACLES AND BRANCH CIRCUIT WIRING TO BE REMOVED COMPLETE. ELECTRICAL CONTRACTOR TO REUSE EXISTING CONDUIT AND BOXES IF WITHIN USABLE DISTANCE. ANY/ALL UNUSED BOXES PROVIDE STAINLESS BLANK PLATES OR PATCH PER ARCHITECTS DIRECTION.
- EXISTING AUXILIARY DEVICE BOXES SHOWN FOR LOCATIONS ONLY ALL EXISTING AUXILIARY CABLES TO BE REMOVED COMPLETE. ELECTRICAL CONTRACTOR TO REUSE EXISTING CONDUIT AND BOXES IF WITHIN USABLE DISTANCE. ANY/ALL UNUSED BOXES PROVIDE STAINLESS BLANK PLATES OR PATCH PER ARCHITECTS DIRECTION.
- DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES, BRANCH CIRCUIT WIRING AND SWITCHES COMPLETE.
- EXISTING PA SOUND SYSTEM - DISCONNECT, REMOVE AND STORE FOR REINSTALLATION. SEE SECOND FLOOR PLAN - POWER AND AUXILIARY FOR NEW LOCATION.

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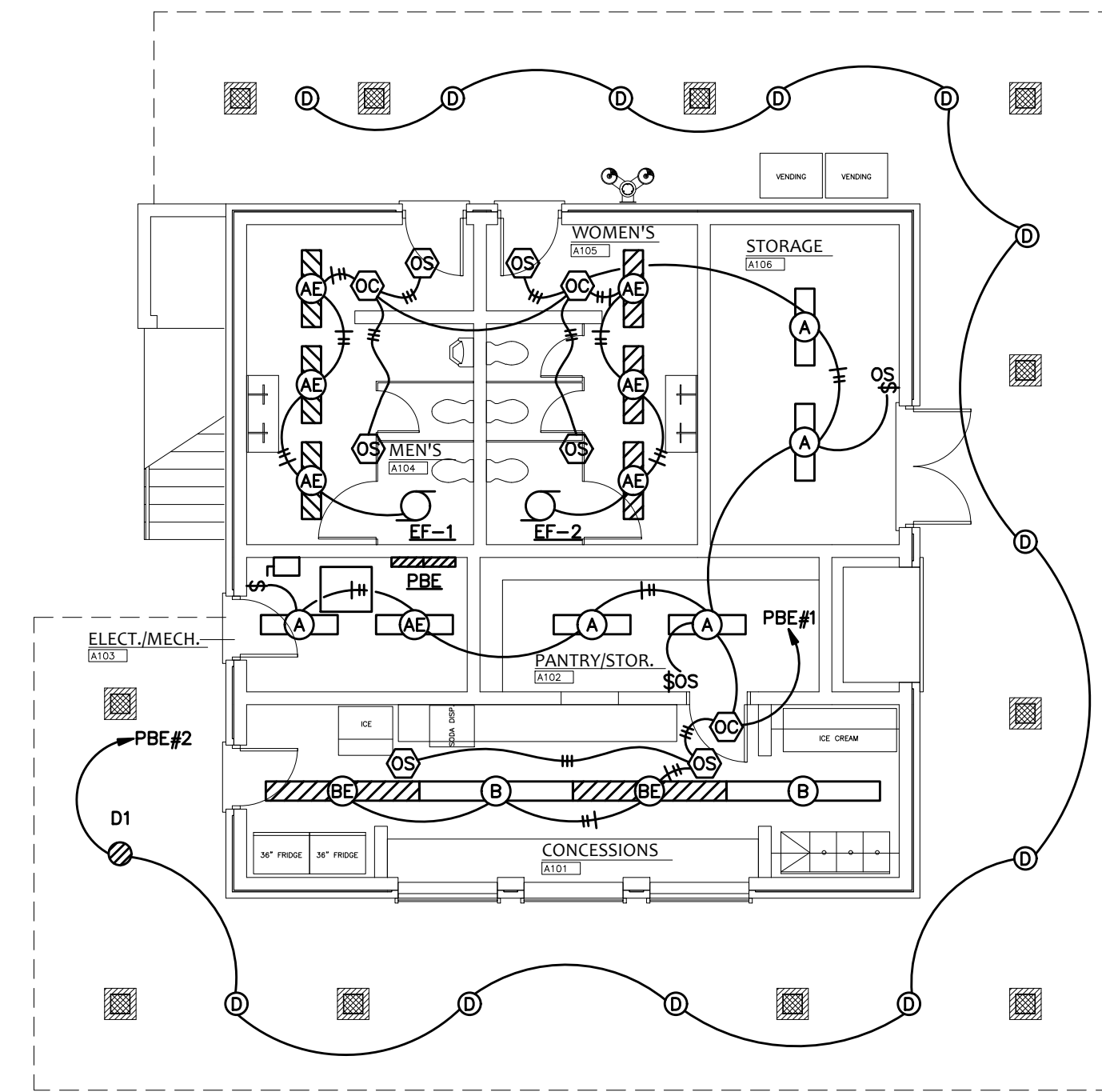
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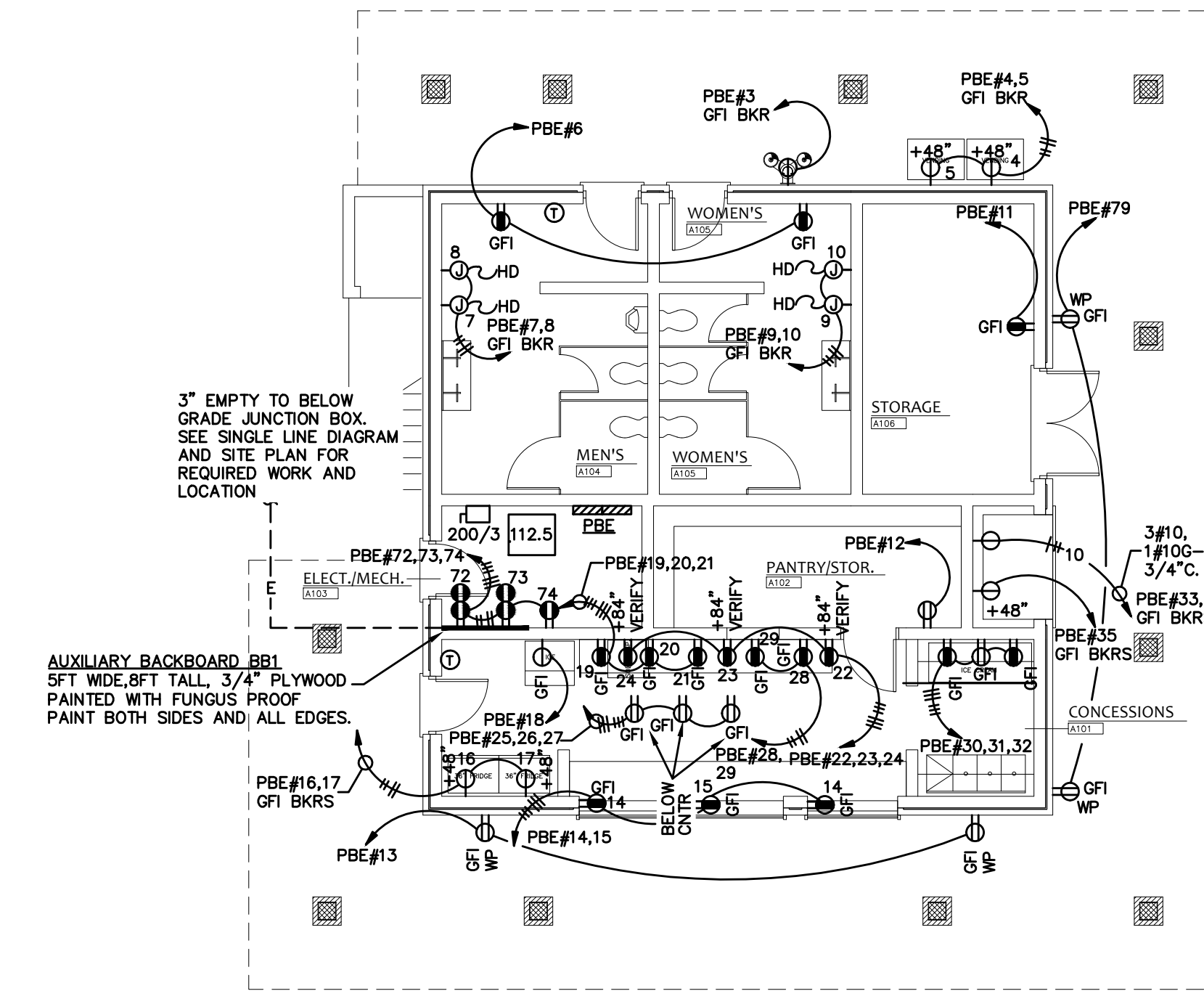
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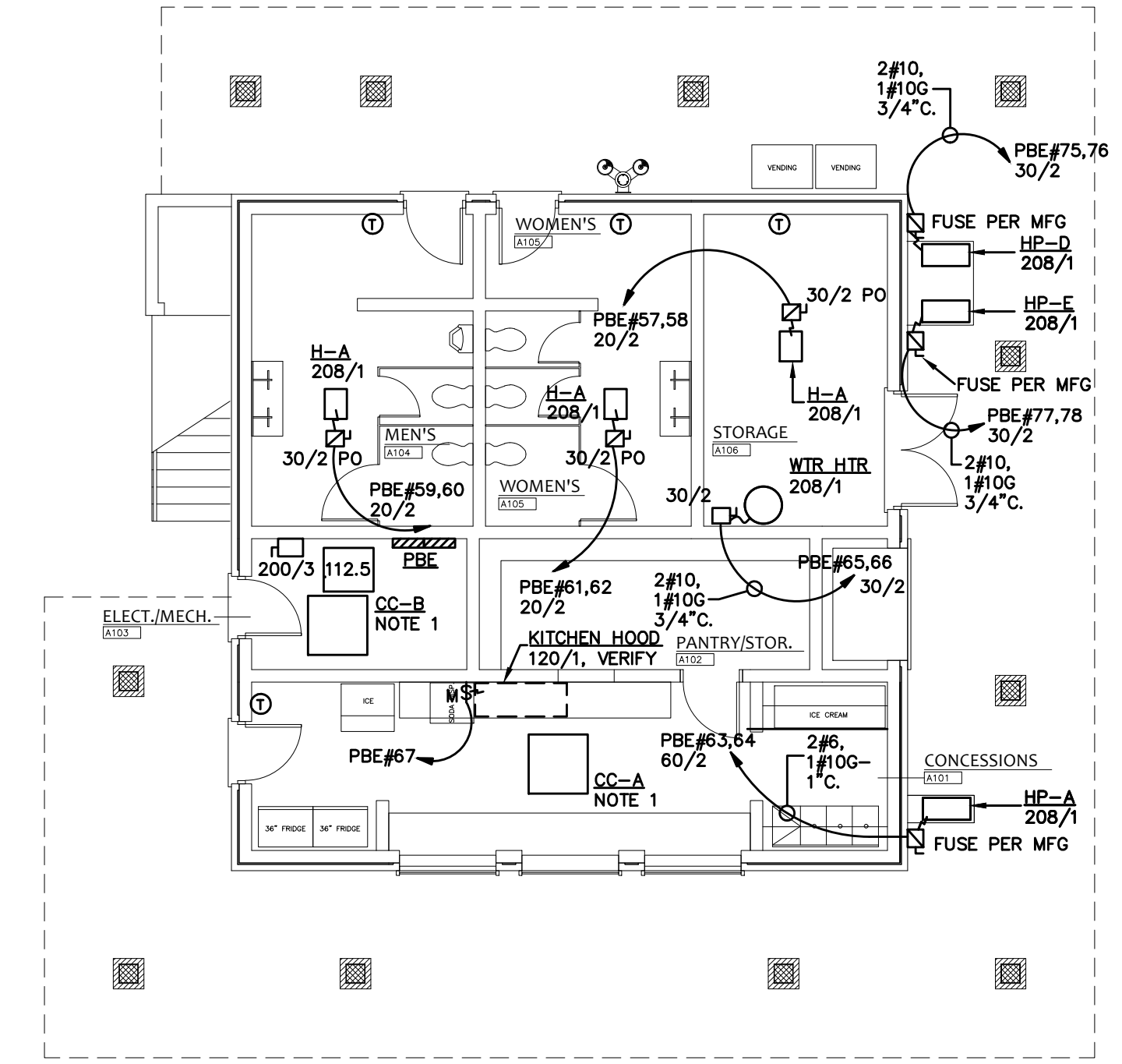
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FIRST FLOOR PLAN - LIGHTING
SCALE: 1/8" = 1'-0"

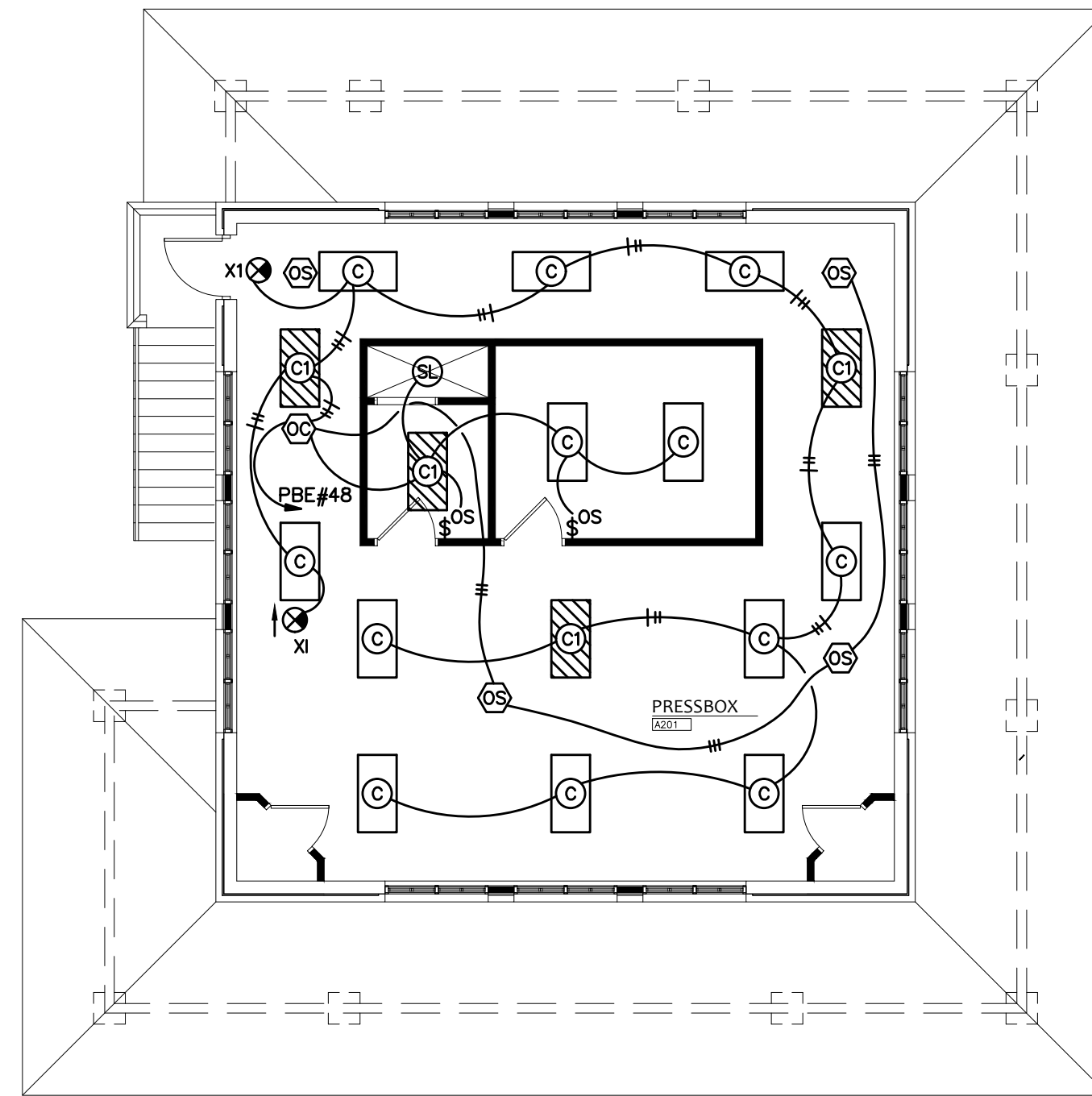


FIRST FLOOR PLAN - POWER AND AUXILIARY
SCALE: 1/8" = 1'-0"

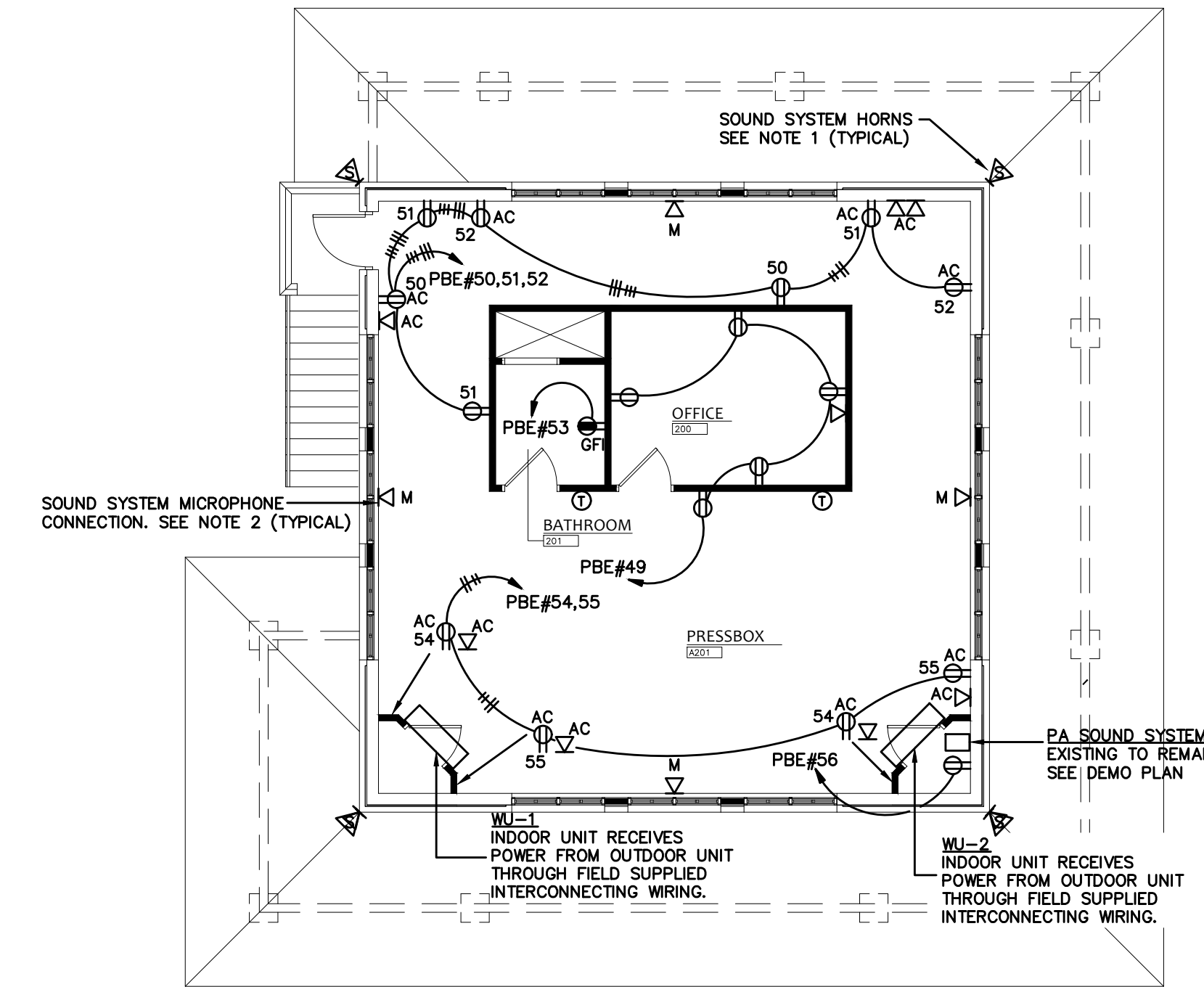


FIRST FLOOR PLAN - M&P EQUIPMENT CONNECTIONS
SCALE: 1/8" = 1'-0"

NOTES THIS SHEET:
1. INDOOR UNIT POWERED FROM OUTDOOR UNIT THROUGH FIELD SUPPLIED INTERCONNECTED WIRING.



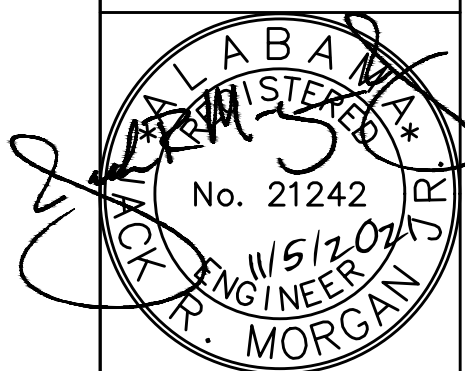
SECOND FLOOR PLAN - LIGHTING
SCALE: 1/8" = 1'-0"



SECOND FLOOR PLAN - POWER AND AUXILIARY
SCALE: 1/8" = 1'-0"

NOTES THIS SHEET:

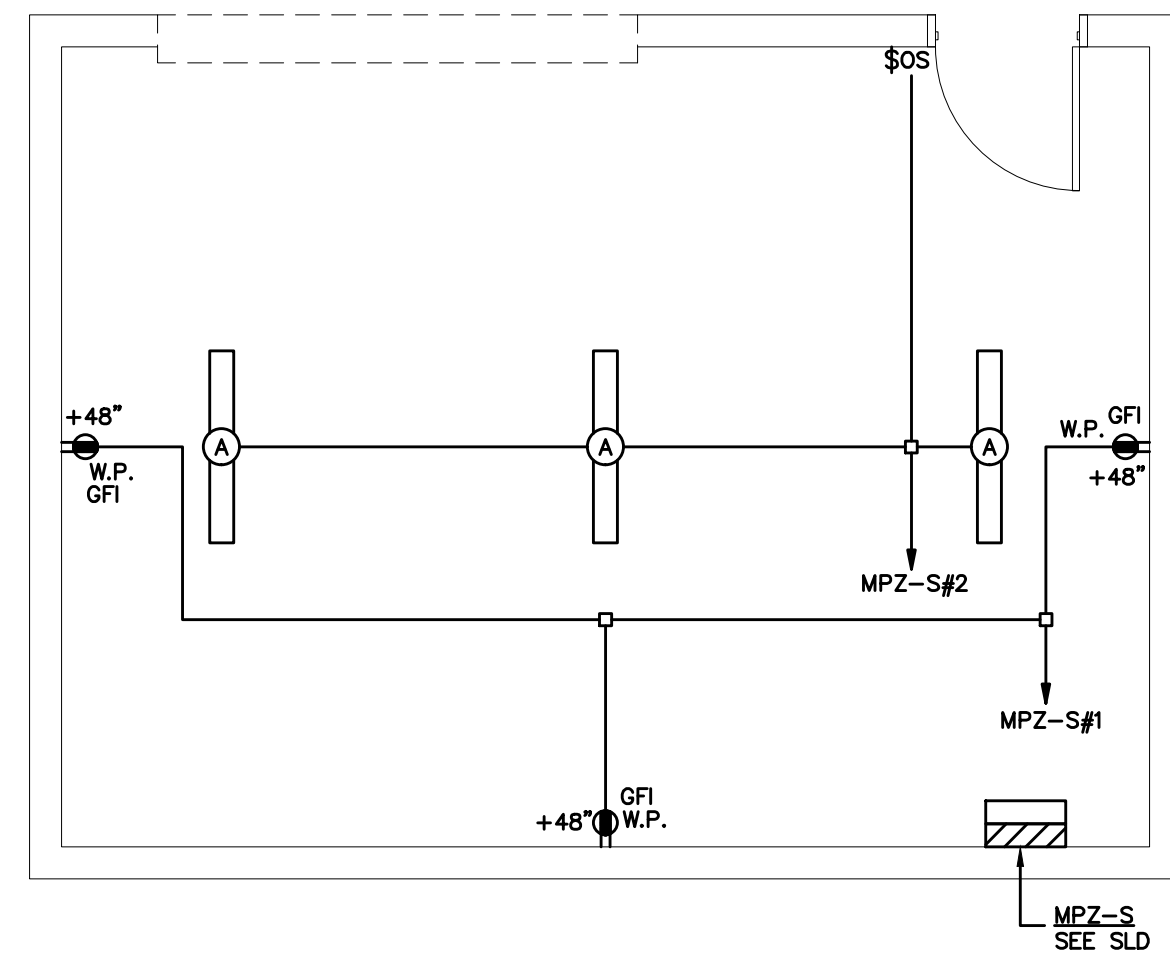
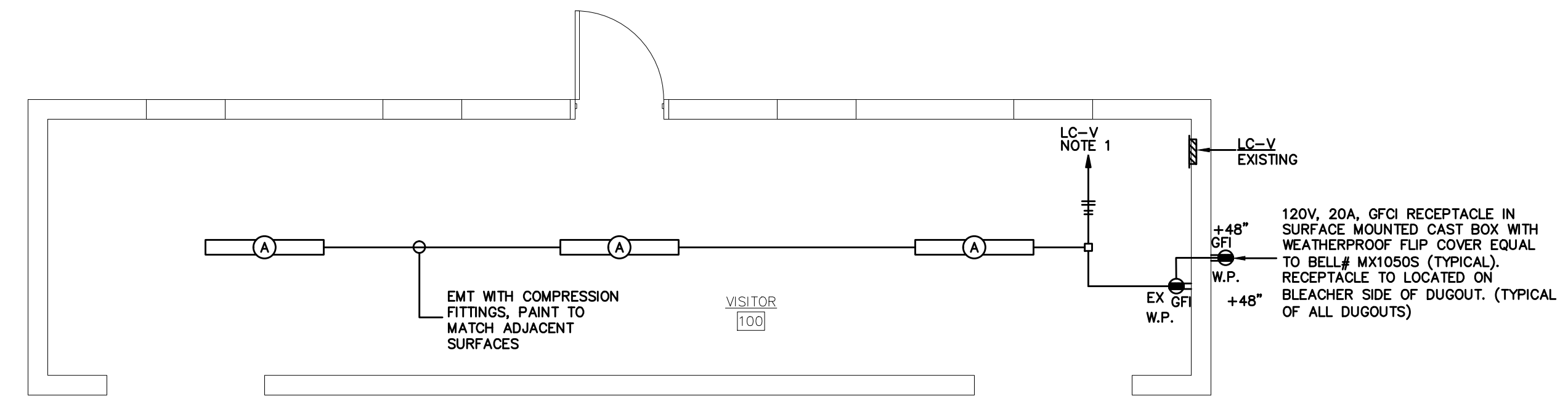
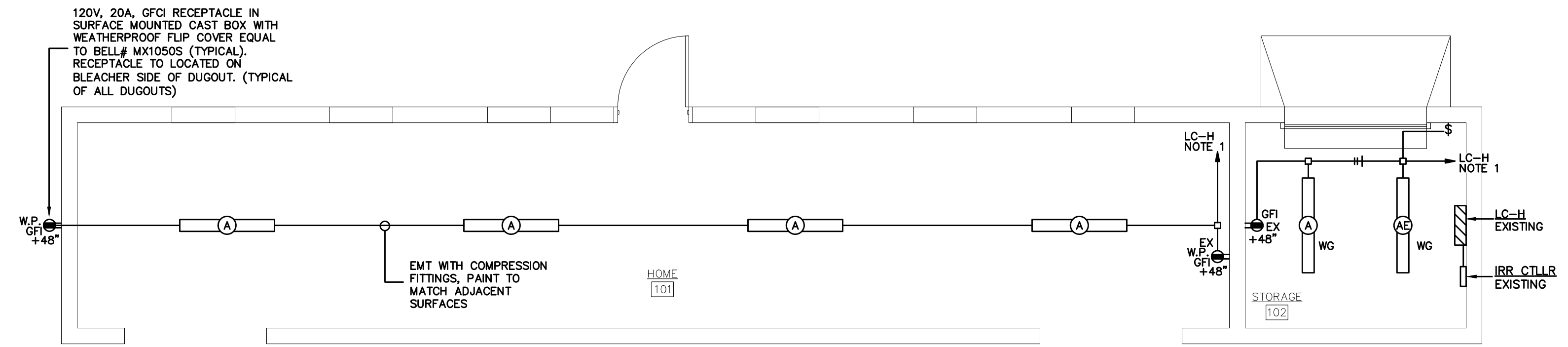
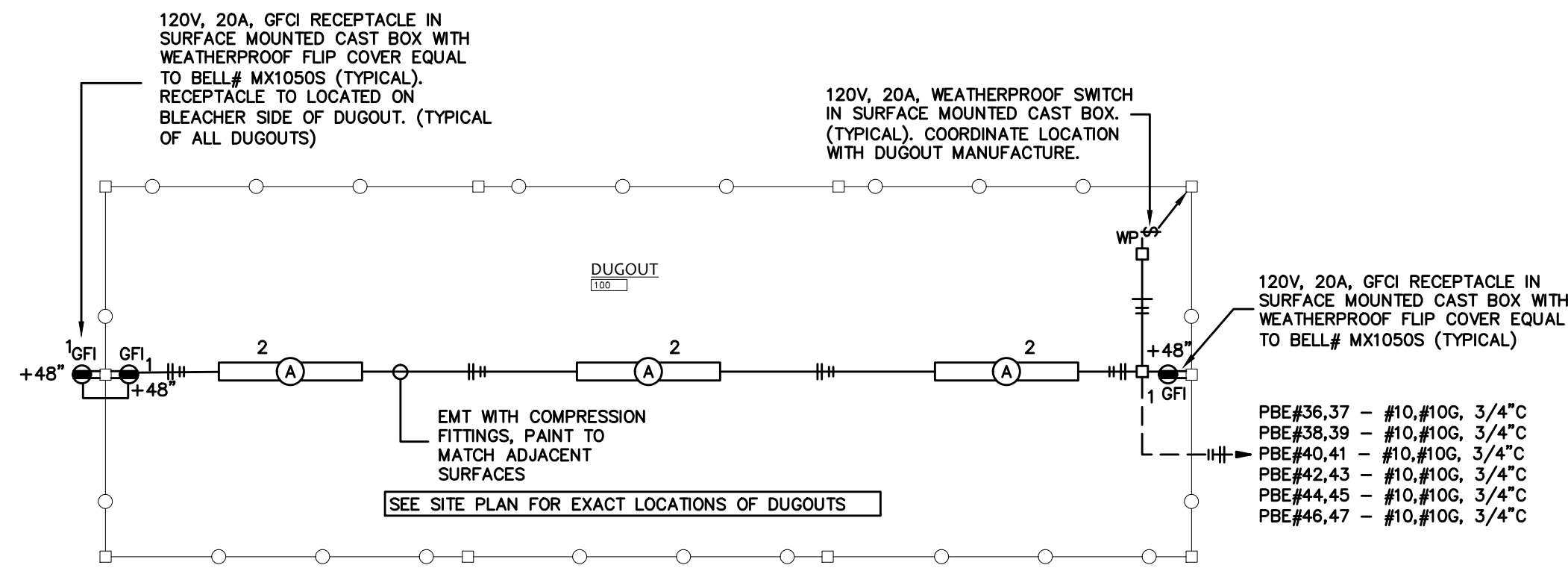
- FURNISH AND INSTALL NEW PA HORN SPEAKER (ATLAS SOUND MODEL# AP-15T) WITH 18/2 SHIELDED SPEAKER CABLE (IN 1" C) FROM SPEAKER TO RELOCATED PA SOUND SYSTEM HEAD END AND CONNECT AS REQUIRED.
- FURNISH AND INSTALL NEW PA MICROPHONE CONNECTION. FURNISH AND INSTALL FLUSH-MOUNTED 4" SQUARE BOX WITH SINGLE-GANG PLASTER RING AND "XLR" CONNECTOR WITH 18/3 SHIELDED CABLE IN 1" C FROM XLR CONNECTOR TO RELOCATED PA SOUND SYSTEM HEAD END AND CONNECT AS REQUIRED. FURNISH AND INSTALL ONE (1) EACH MICROPHONE PER LOCATION SHOWN (TOTAL OF 4 EACH REQUIRED ON PROJECT).



SCALE: AS SHOWN
DATE: 11/5/2021
REVISED

PROJECT NO: 4576-20

SHEET NO. E5.2



ENLARGED TYPICAL DUGOUT PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0" (6 REQUIRED)

ENLARGED EXISTING DUGOUT PLAN - ELECTRICAL

SCALE: 1/4" = 1'-0"

NOTES THIS SHEET:

- DISCONNECT AND REMOVE CEILING MOUNTED LIGHT FIXTURES, CONDUIT, JUNCTION BOXES BACK TO PANEL. ONCE DUGOUT REPAIR ARE COMPLETE FURNISH AND INSTALL NEW FIXTURES AND BRANCH CIRCUITS AS REQUIRED. SEE PLAN FOR REQUIRED WORK.

EXISTING STORAGE BUILDING - ELECTRICAL

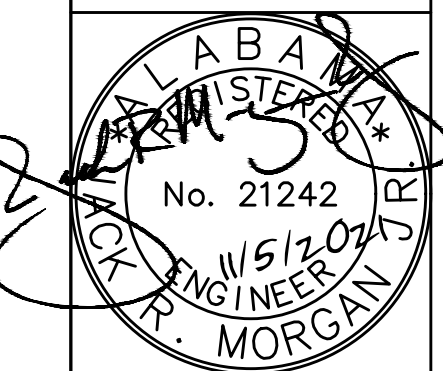
SCALE: 1/4" = 1'-0"

NOTES THIS SHEET:

- DISCONNECT AND REMOVE CEILING MOUNTED LIGHT FIXTURES, CONDUIT, JUNCTION BOXES, RECEPTACLES AND PANEL COMPLETE.

The EE Group Inc.
1521 Rainbow Drive
Gadsden, AL 35901
256.413.7717

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Phase 2
GADSDEN, ALABAMA



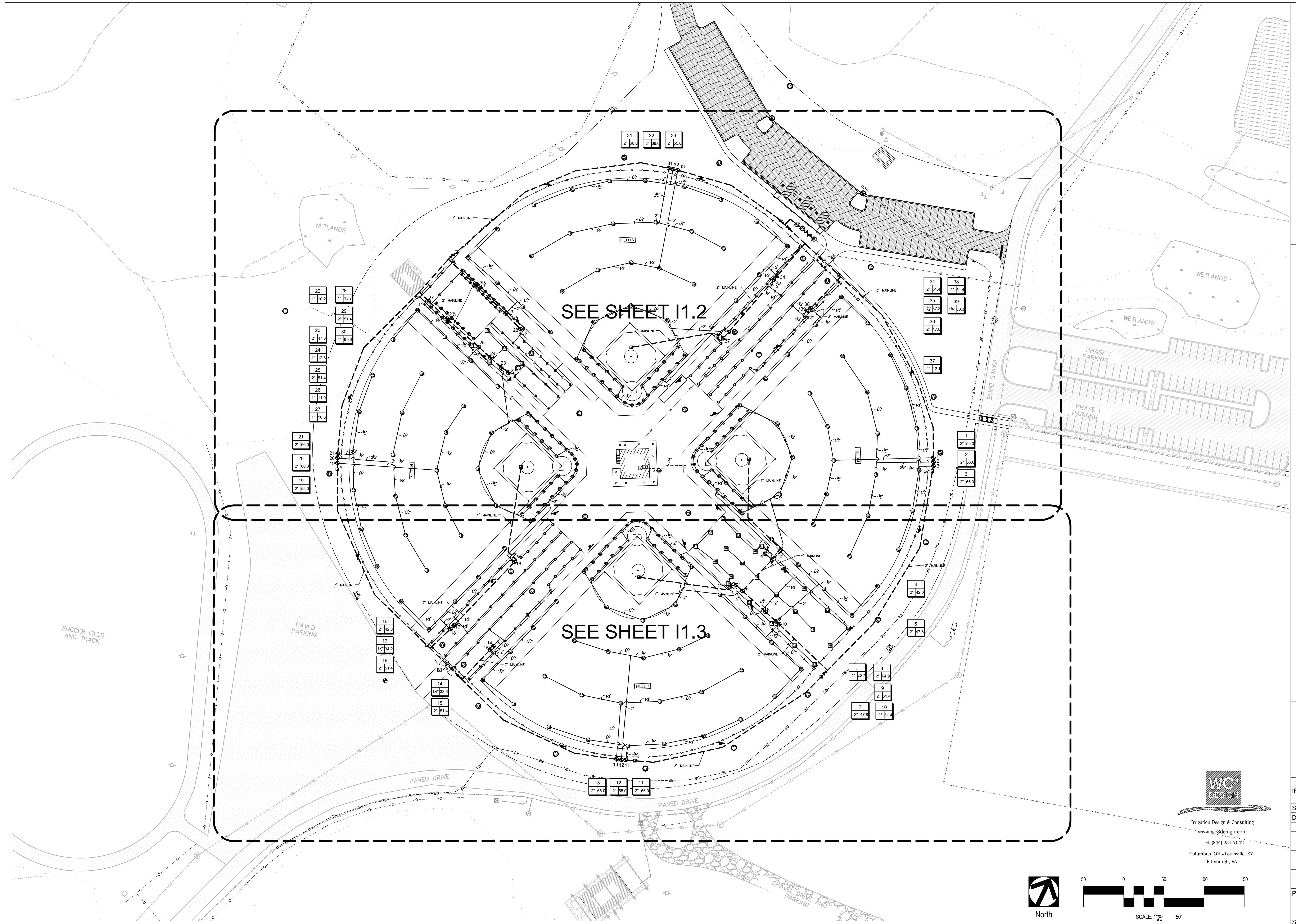
SCALE: AS SHOWN

DATE: 11/5/2021

REVISED

PROJECT NO: 4576-20

SHEET NO. E6



SEE SHEET I1.2

SEE SHEET I1.3

SOCCER FIELD AND TRACK

PAVED PARKING

PAVED DRIVE

PAVED DRIVE

PAVED DRIVE

PHASE I PARKING

PHASE I PARKING

WETLANDS

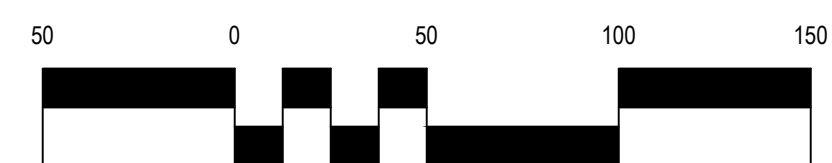
WETLANDS



Irrigation Design & Consulting
www.wc3design.com
Tel: (844) 231-7042
Columbus, OH • Louisville, KY
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North



SCALE: 1"=50'

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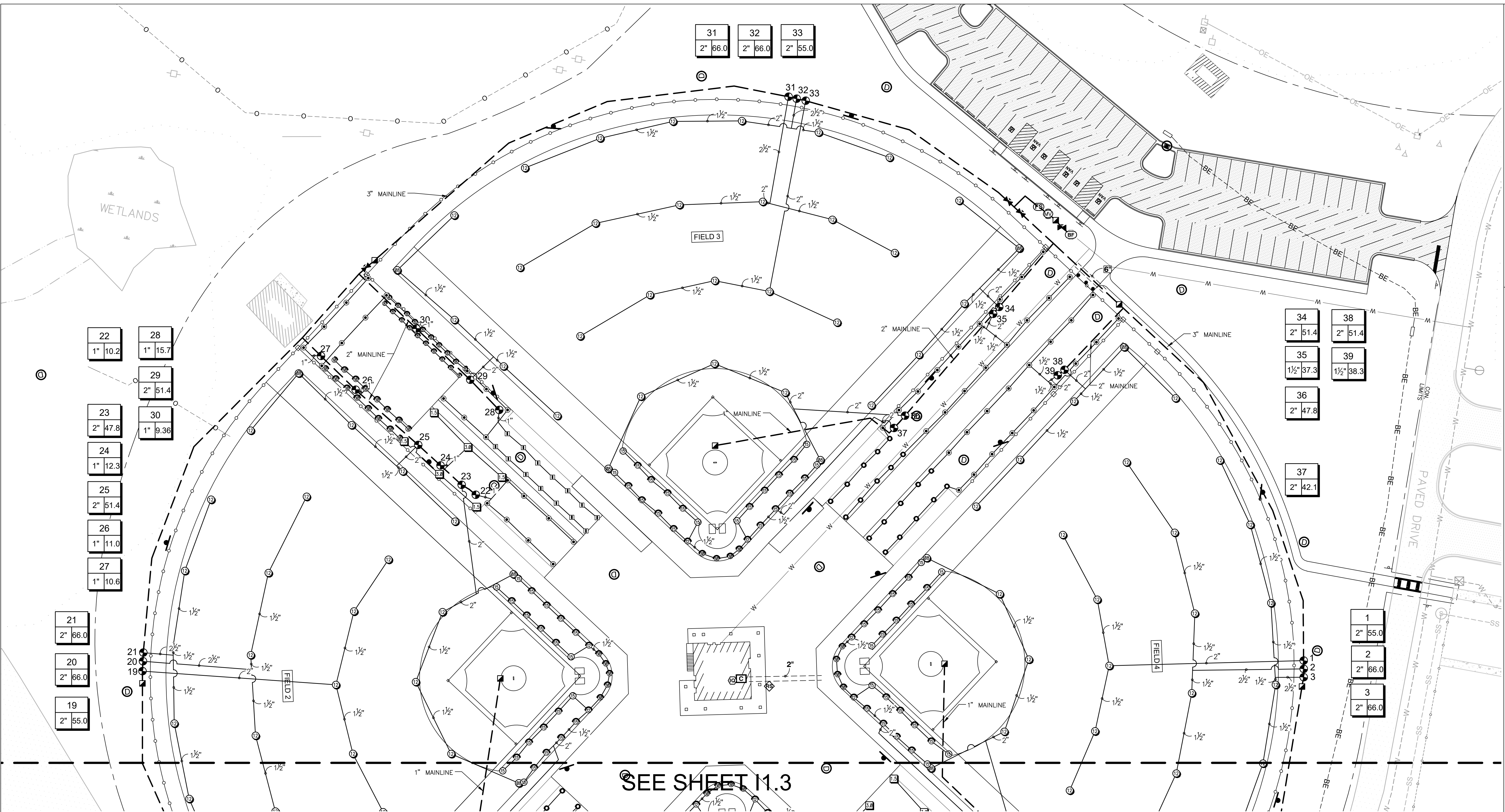


IRRIGATION PLAN

SCALE: AS SHOWN
DATE: Nov 5, 2021
REVISED

PROJECT NO: 2020C

11.1
SHEET NO.



31	32	33
2" 66.0	2" 66.0	2" 55.0

22	28
1" 10.2	1" 15.7

29
2" 51.4

23
2" 47.8

24
1" 12.3

25
2" 51.4

26
1" 11.0

27
1" 10.6

21
2" 66.0

20
2" 66.0

19
2" 55.0

34
2" 51.4

38
2" 51.4

35
1 1/2" 37.3

39
1 1/2" 38.3

36
2" 47.8

37
2" 42.1

1
2" 55.0

2
2" 66.0

3
2" 66.0

SEE SHEET 11.3

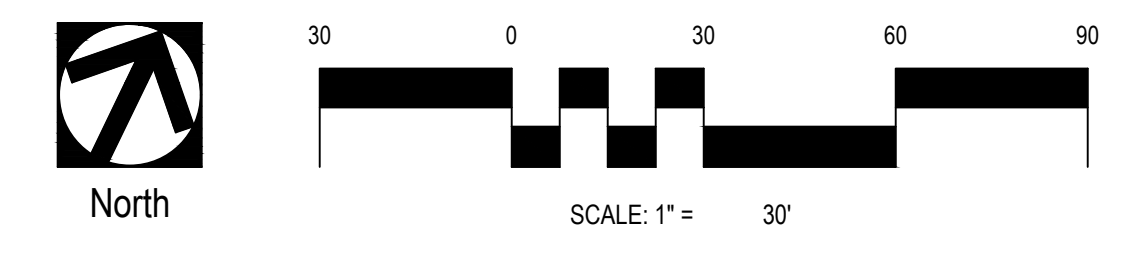
IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL
⊙	Rain Bird 1804 8 Series MPR
⊙	Rain Bird 1804 10 Series MPR
⊙	Rain Bird 1804 12 Series MPR
⊙	Rain Bird 1804 15 Series MPR
⊙	Rain Bird 1804 ADJ
⊙	Rain Bird R-VAN14 1804-SAM-P45
⊙	Rain Bird R-VAN18 1804-SAM-P45
⊙	Rain Bird R-VAN24 1804-SAM-P45

SYMBOL	MANUFACTURER/MODEL
11.3	Rain Bird 5004-FC, FC
3.0	Rain Bird 5004-FC, FC
04	Rain Bird F4-FC, FC
06	Rain Bird F4-FC, FC
12	Rain Bird F4-FC, FC

SYMBOL	MANUFACTURER/MODEL
⊕	Rain Bird PGA Globe
⊕	Rain Bird 5-RC
⊕	Ball Valve
⊕	Buckner-Superior 3100 3"
⊕	3" RPZ Backflow 1"
⊕	Rain Bird ESPLXVMP
⊕	Rain Bird IQ-46-USA
⊕	Rain Bird WR2-RFC
⊕	Rain Bird FS-200-B
---	Irrigation Lateral Line: PVC Class 200 SDR 21
---	Irrigation Mainline: PVC Class 200 SDR 21
---	Pipe Sleeve: PVC Schedule 40
⊕	Valve Callout
⊕	Valve Number
⊕	Valve Flow
⊕	Valve Size

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 Irrigation Design & Consulting
 www.wc3design.com
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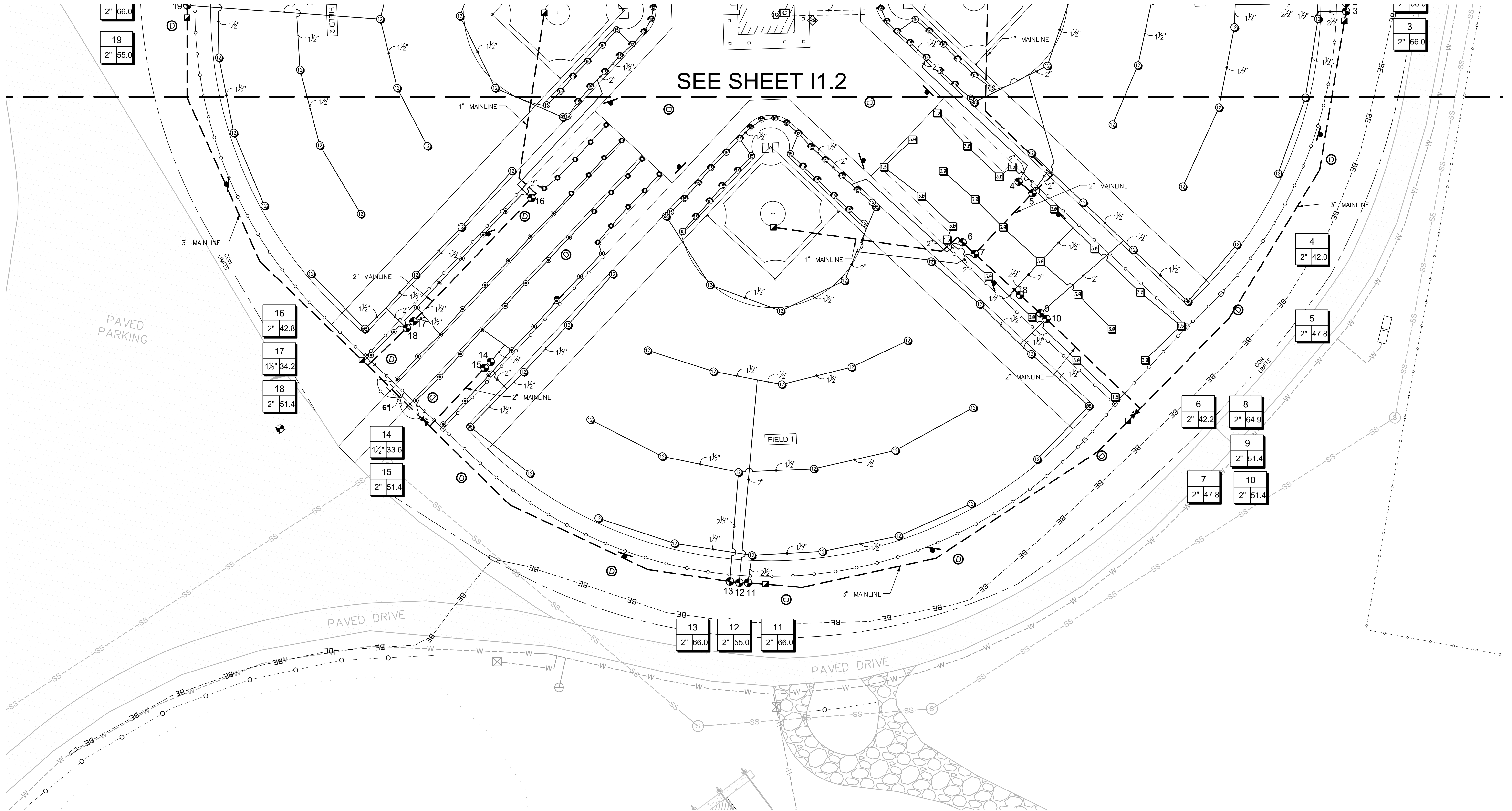
IRRIGATION PLAN

SCALE: AS SHOWN
 DATE: Nov 5, 2021
 REVISED

PROJECT NO: 2020C

11.2
 SHEET NO.

SEE SHEET I1.2



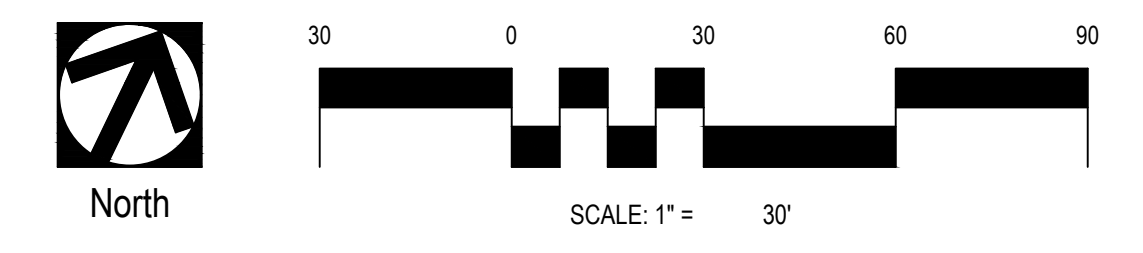
IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL
⊙	Rain Bird 1804 8 Series MPR
⊙	Rain Bird 1804 10 Series MPR
⊙	Rain Bird 1804 12 Series MPR
⊙	Rain Bird 1804 15 Series MPR
⊙	Rain Bird 1804 ADJ
⊙	Rain Bird R-VAN14 1804-SAM-P45
⊙	Rain Bird R-VAN18 1804-SAM-P45
⊙	Rain Bird R-VAN24 1804-SAM-P45

SYMBOL	MANUFACTURER/MODEL
1.5	Rain Bird 5004-FC, FC
3.0	Rain Bird 5004-FC, FC
04	Rain Bird F4-FC, FC
06	Rain Bird F4-FC, FC
12	Rain Bird F4-FC, FC

SYMBOL	MANUFACTURER/MODEL
⊕	Rain Bird PGA Globe
⊕	Rain Bird 5-RC
⊕	Ball Valve
⊕	Buckner-Superior 3100 3"
⊕	3" RPZ Backflow 1"
⊕	Rain Bird ESPLXIVMP
⊕	Rain Bird IQ-46-USA
⊕	Rain Bird WR2-RFC
⊕	Rain Bird FS-200-B
---	Irrigation Lateral Line: PVC Class 200 SDR 21
---	Irrigation Mainline: PVC Class 200 SDR 21
---	Pipe Sleeve: PVC Schedule 40
⊕	Valve Callout
⊕	Valve Number
⊕	Valve Flow
⊕	Valve Size

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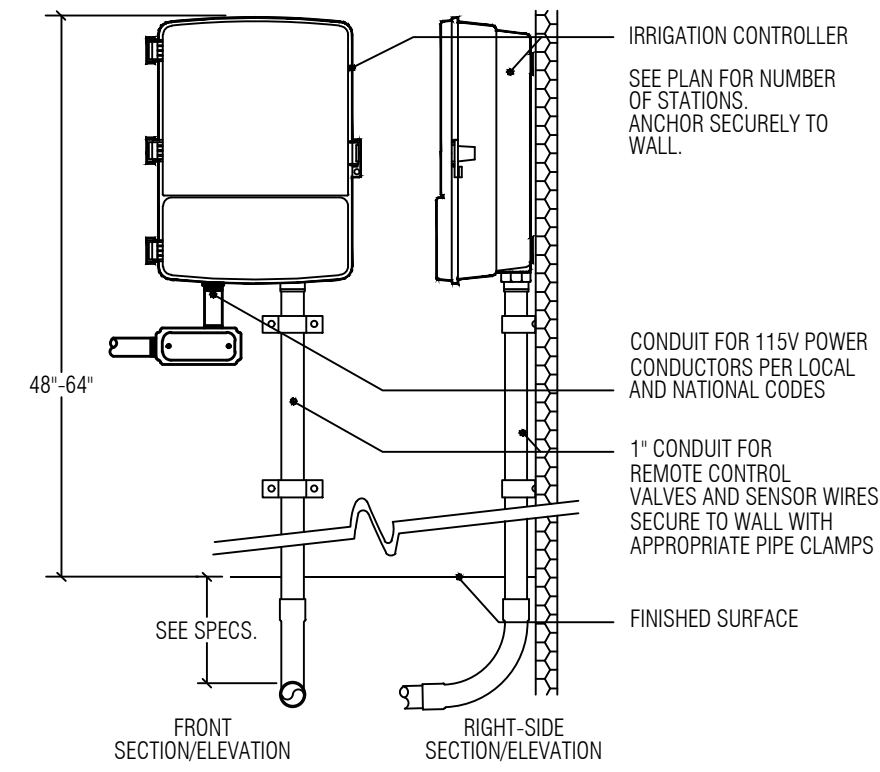


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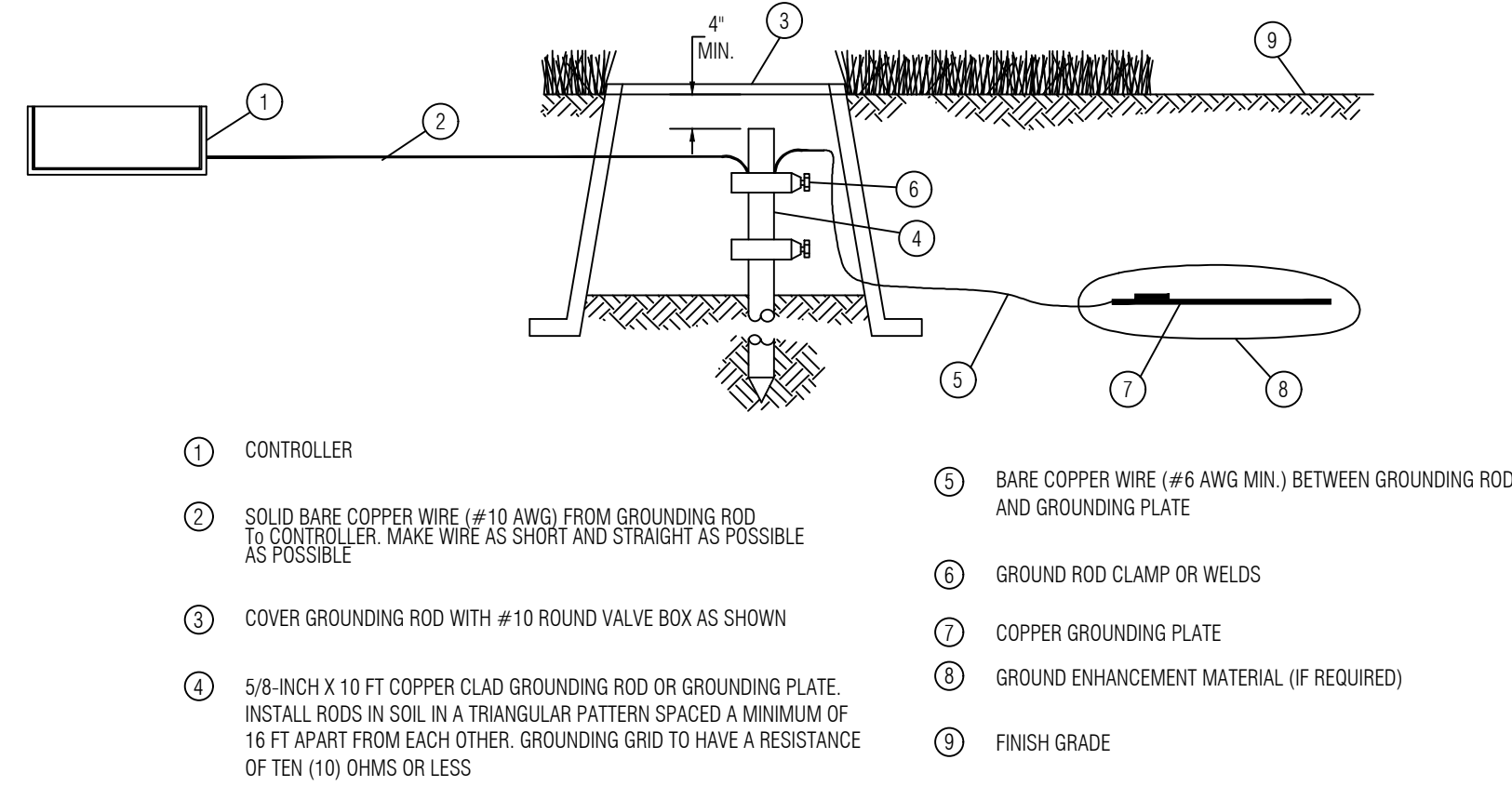
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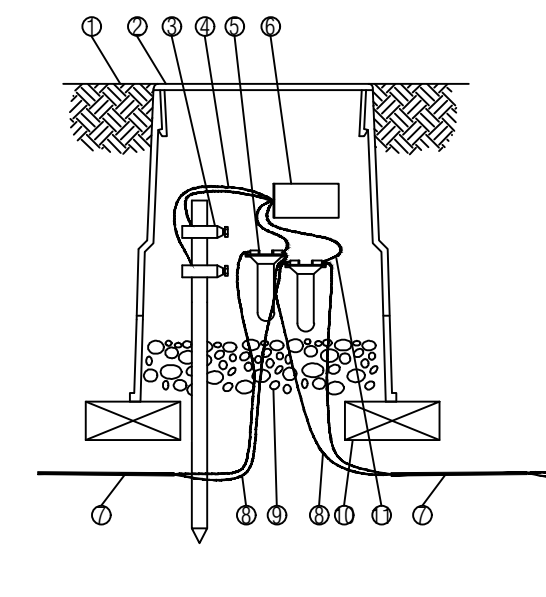
IRRIGATION PLAN	
SCALE:	AS SHOWN
DATE:	Nov 5, 2021
REVISED	
PROJECT NO:	2020C
11.3	
SHEET NO.	



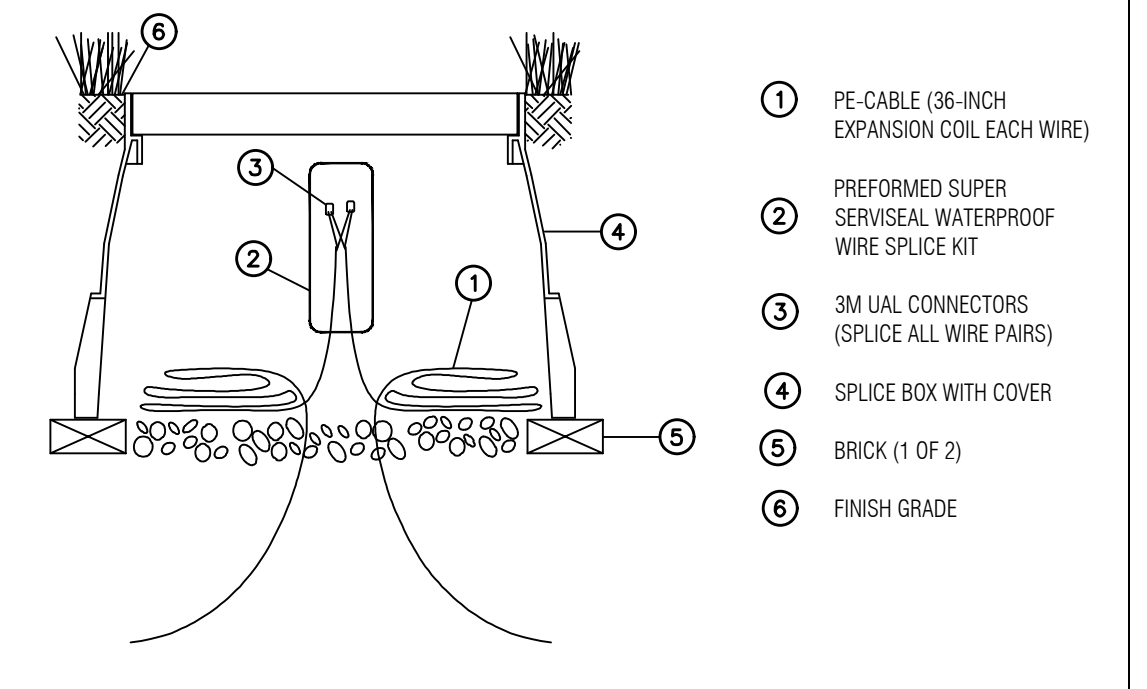
A CONTROLLER INSTALLATION
SCALE: NTS



A CONTROLLER GROUNDING
SCALE: NTS



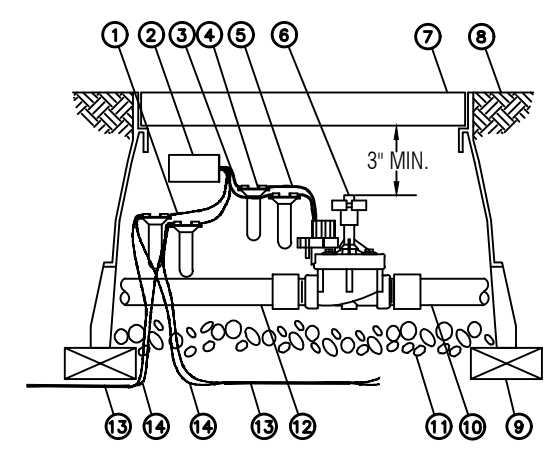
B SURGE PROTECTION
SCALE: NTS



C WIRE SPLICES
SCALE: NTS

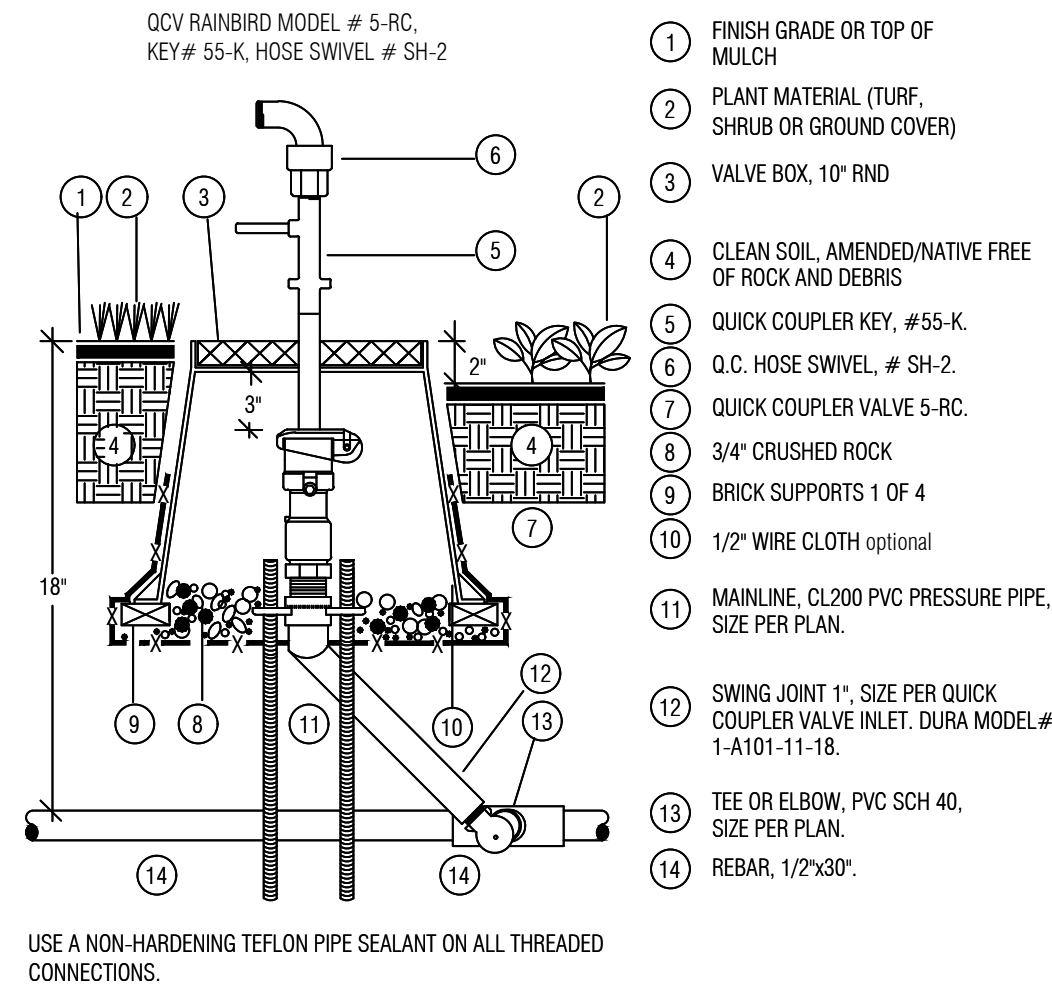
RAINBIRD EQUIPMENT WAS THE BASIS OF THE DESIGN IN SPRINKLER PERFORMANCE INCLUDING GPM AND RADIUS AND IN ALL DESIGN CALCULATIONS. HUNTER AND TORO PRODUCTS THAT ARE EQUAL IN SPECIFICATIONS AND OPERATION WILL BE CONSIDERED EQUAL SUBSTITUTIONS IN BID. CONTRACTOR MUST PRESENT EQUIPMENT CUT SHEETS TO OWNER'S REP PRIOR TO BID DATE IF EQUAL PRODUCTS ARE INCLUDED IN BID.

NOTES:
1. SECONDARY WIRE RUN - DISTANCE BETWEEN SOLENOID AND FIELD DECODER - NOT TO EXCEED 450 FEET WITH 14 GAUGE WIRE.
2. PLACE 3 FEET OF EXTRA WIRE IN EVERY VALVE BOX FOR EASIER SERVICING.



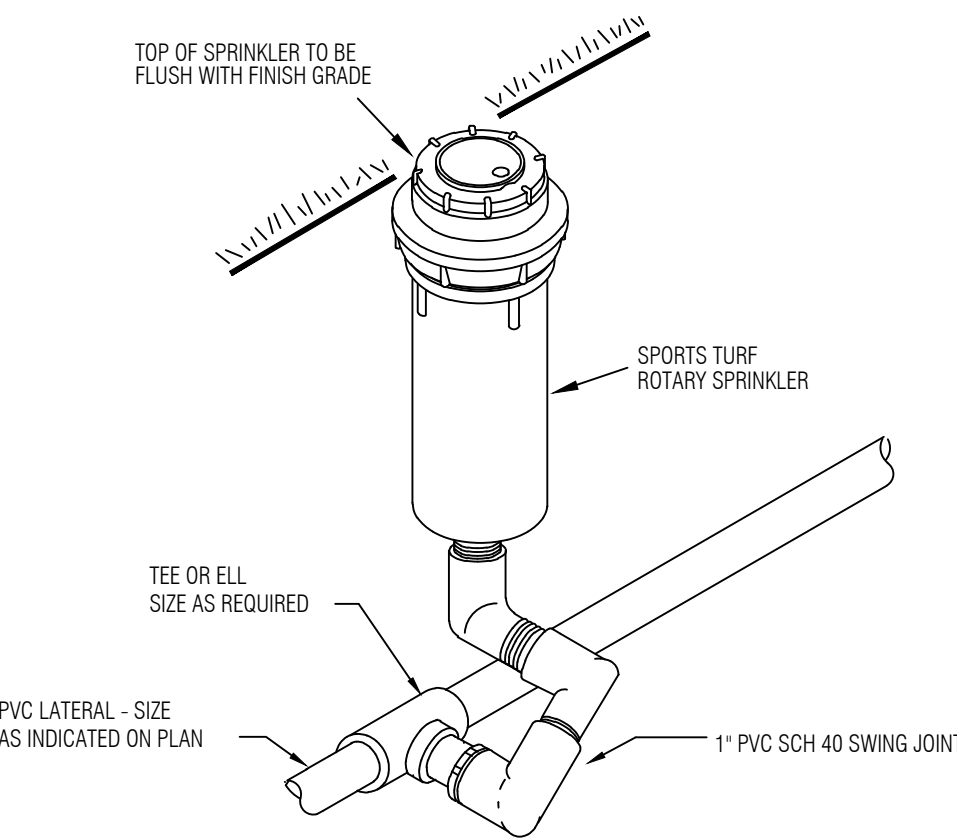
D VALVE AND DECODER
SCALE: NTS

ALL MALE ADAPTERS ARE TO BE SCH 80



E QUICK COUPLER VALVE INSTALLATION
SCALE: NTS

IRRIGATION CONTRACTOR IS TO SUPPLY (2) 1" X 50' HIGH PRESSURE/HEAVY DUTY HOSE AND (2) QUICK COUPLER KEYS AND HOSE SWIVELS WITH BID.

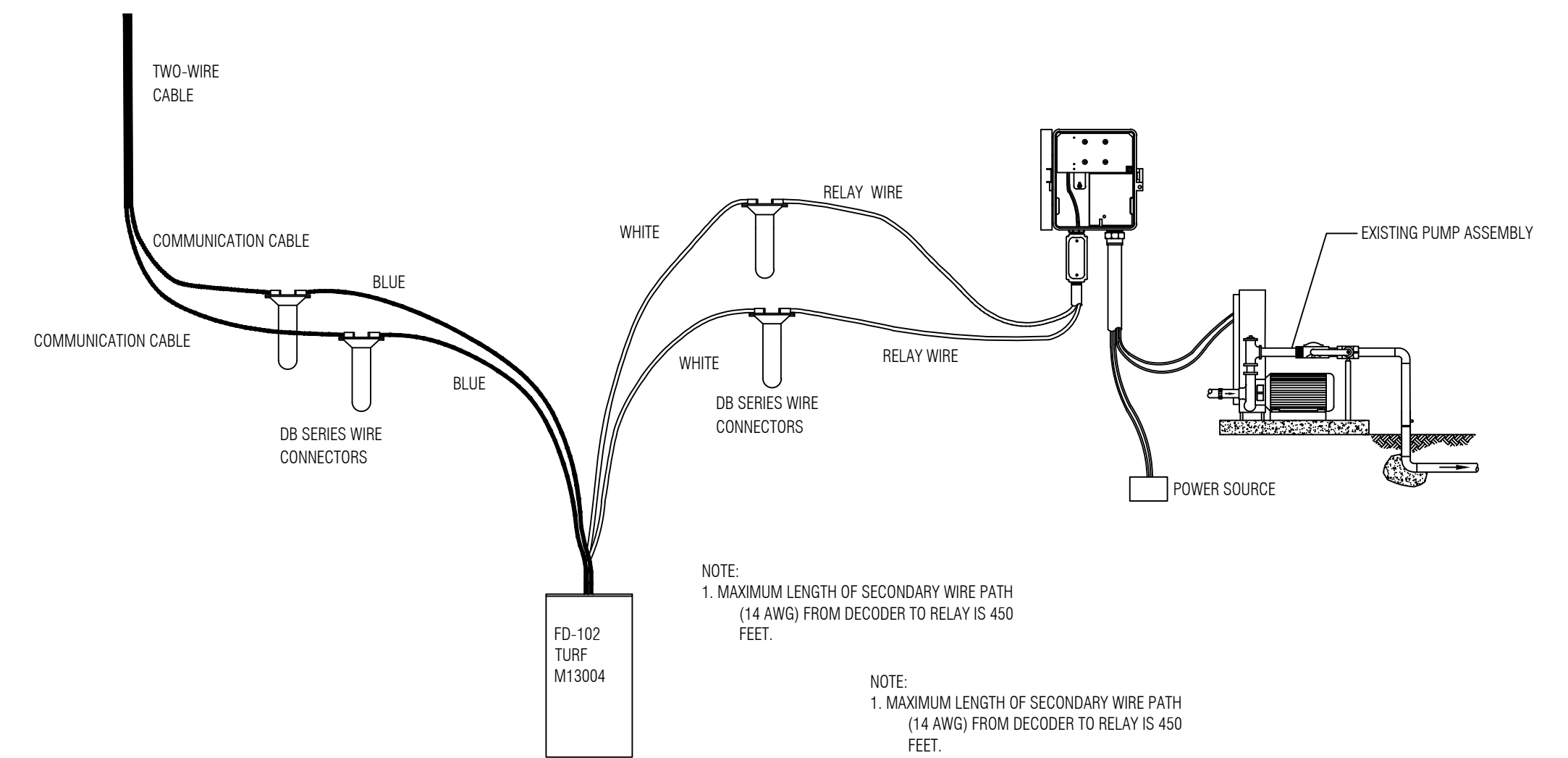


F ROTOR INSTALLATION
SCALE: NTS

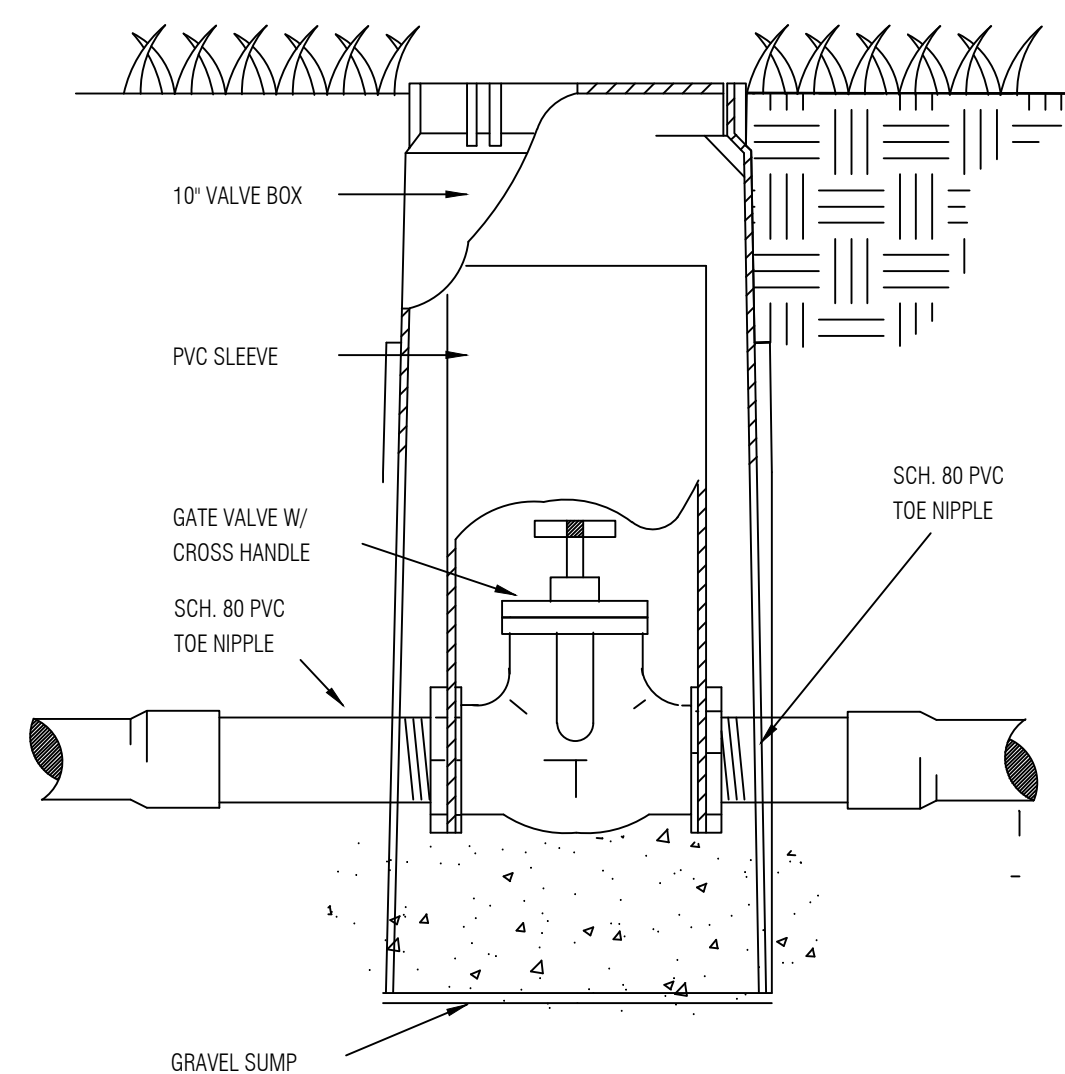
ALL MALE ADAPTERS ARE TO BE SCH 80

NOTES:
1. LSP-1 TURF SHOULD BE INSTALLED EVERY 500 FEET OR FOR EVERY EIGHT DECODERS ON TWO-WIRE PATH.
2. LSP-1 TURF TO BE INSTALLED AT END OF WIRE RUN THAT TERMINATES IN THE FIELD (STAR CONFIGURATION).
3. RAIN BIRD FD-401 TURF AND FD-601 TURF FIELD DECODERS COME WITH LSP-1 TURF'S BUILT-IN FD-101 TURF, FD-102 TURF AND FD-202 TURF REQUIRE SEPARATE LSP-1 TURF PROTECTION.

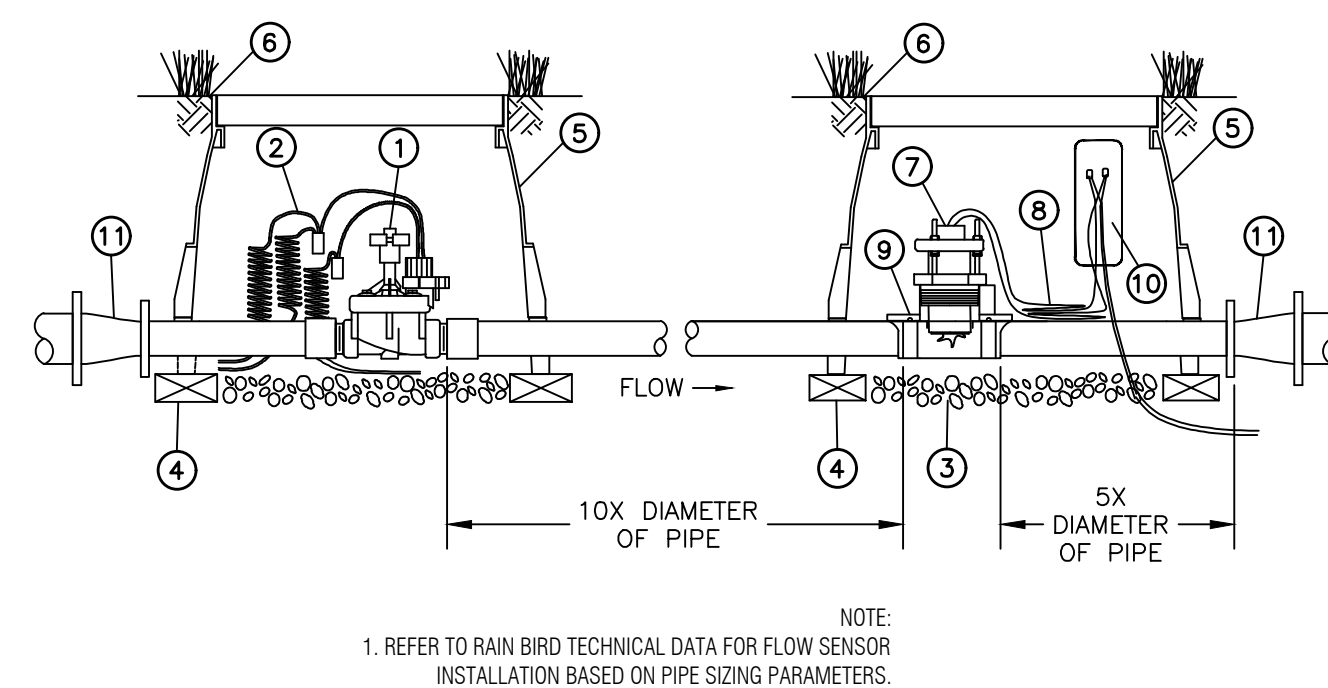
- 1 FINISH GRADE OR TOP OF MULCH
- 2 10-INCH VALVE BOX WITH COVER: RAIN BIRD VB-10RND
- 3 GROUNDING ROD: 10 OHMS OR LESS
- 4 GREEN/YELLOW WIRE FROM LSP-1 TURF TO GROUNDING ROD BRASS CLAMPS (1 OF 2)
- 5 DB SERIES WIRE CONNECTOR: RAIN BIRD DBTWCS (1 OF 2)
- 6 LINE SURGE PROTECTOR: RAIN BIRD LSP-1 TURF M10008
- 7 TWO-WIRE CABLE TO NEXT DEVICE (FIELD DECODER, SENSOR DECODER, LINE SURGE PROTECTOR OR ESP-LXD CONTROLLER)
- 8 COMMUNICATION WIRE TO NEXT DEVICE (FIELD DECODER, SENSOR DECODER, LINE SURGE PROTECTOR OR ESP-LXD CONTROLLER)
- 9 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- 10 BRICK (1 OF 2)
- 11 BLUE WIRE FROM LSP-1 TURF TO DB SERIES WIRE CONNECTOR



G EXISTING PUMP/NEW CONTROLLER WIRING
SCALE: NTS

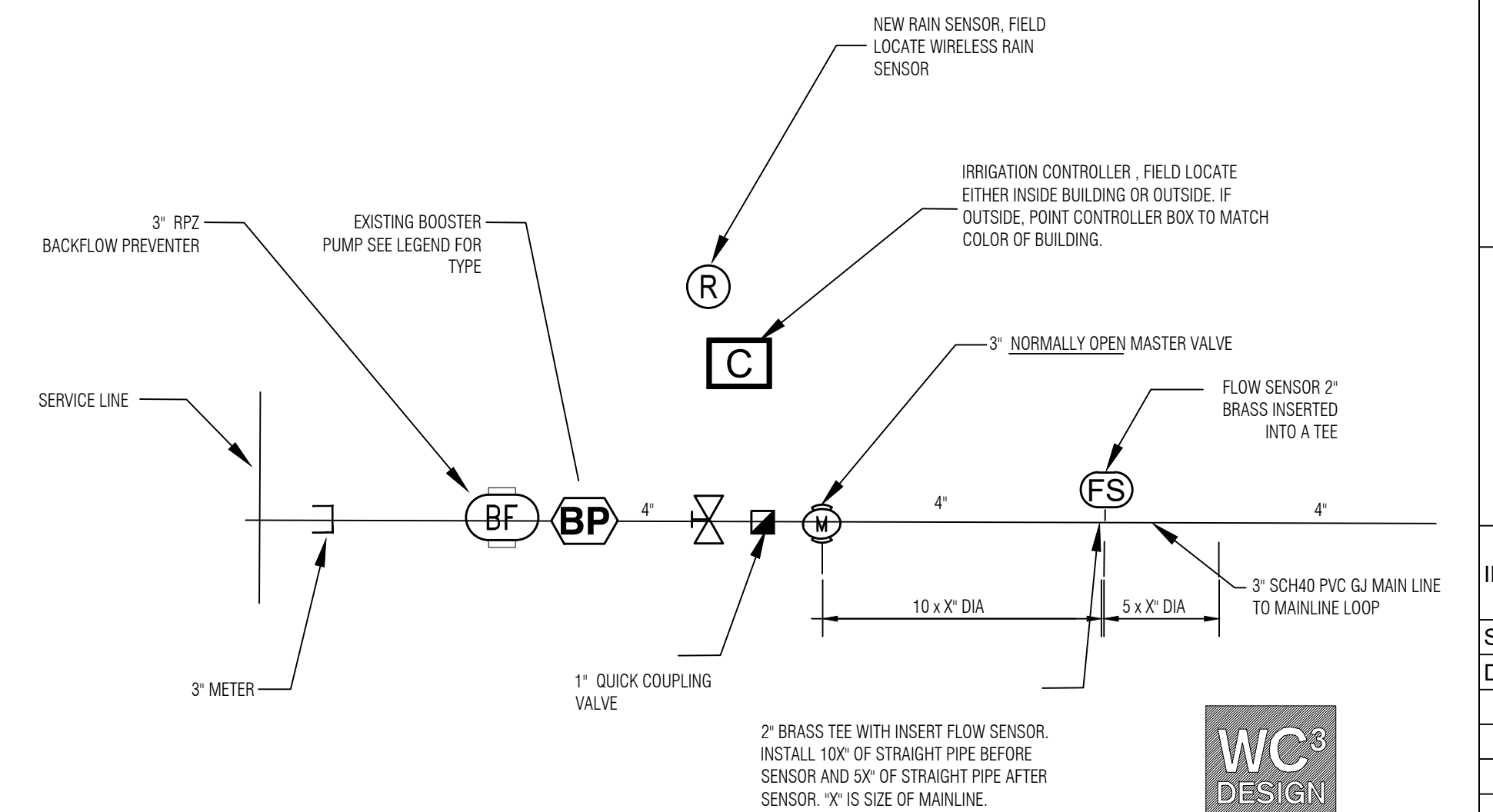


H SHUT OFF VALVE/ISOLATION VALVE
SCALE: NTS



I NORMALLY OPEN MASTER VALVE AND FLOW SENSOR
SCALE: NTS

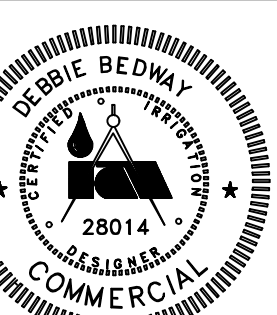
- 1 NORMALLY OPEN MASTER VALVE
- 2 WIRE TO SATELLITE CONTROLLER MASTER VALVE CIRCUIT (36-INCH EXPANSION COIL, EACH WIRE)
- 3 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- 4 BRICK (1 OF 4)
- 5 RECTANGULAR VALVE BOX WITH COVER: RAIN BIRD VB-STD
- 6 FINISH GRADE
- 7 FLOW SENSOR: RAIN BIRD FS SERIES
- 8 PE-CABLE TO FLOW SENSING EQUIPMENT AT CONTROLLER ASSEMBLY (36-INCH EXPANSION COIL)
- 9 DOUBLE-STRAP SADDLE
- 10 WIRE SPLICE: SEE RAIN BIRD DETAIL PE-SPLICE-TW FOR SPLICE. SEE FLOW SENSOR WIRING DETAIL FOR WIRING DIAGRAM
- 11 CONCENTRIC REDUCER



J POINT OF CONNECTION SCHEMATIC
SCALE: NTS

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IRRIGATION PLAN

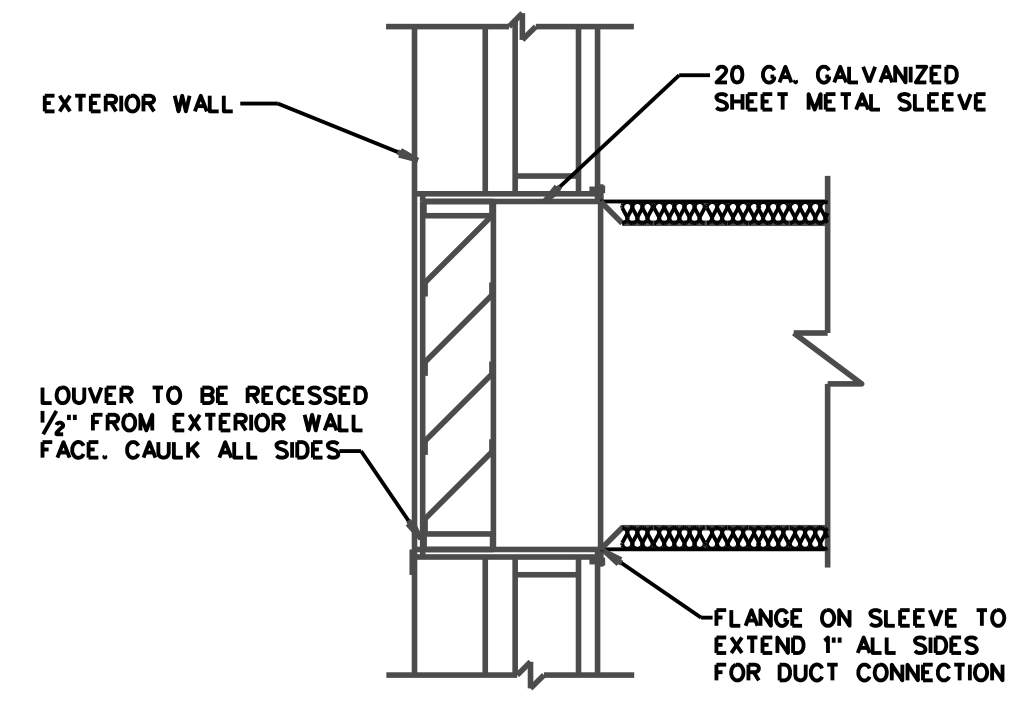
SCALE: AS SHOWN
DATE: Nov 5, 2021

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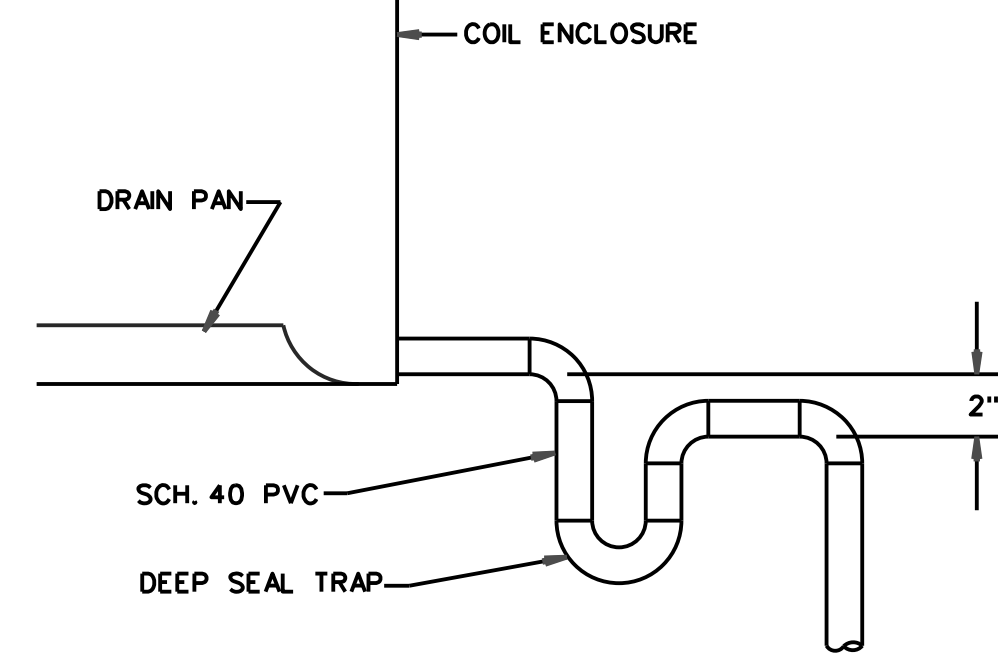
PROJECT NO: 2020C

11.3
SHEET NO.

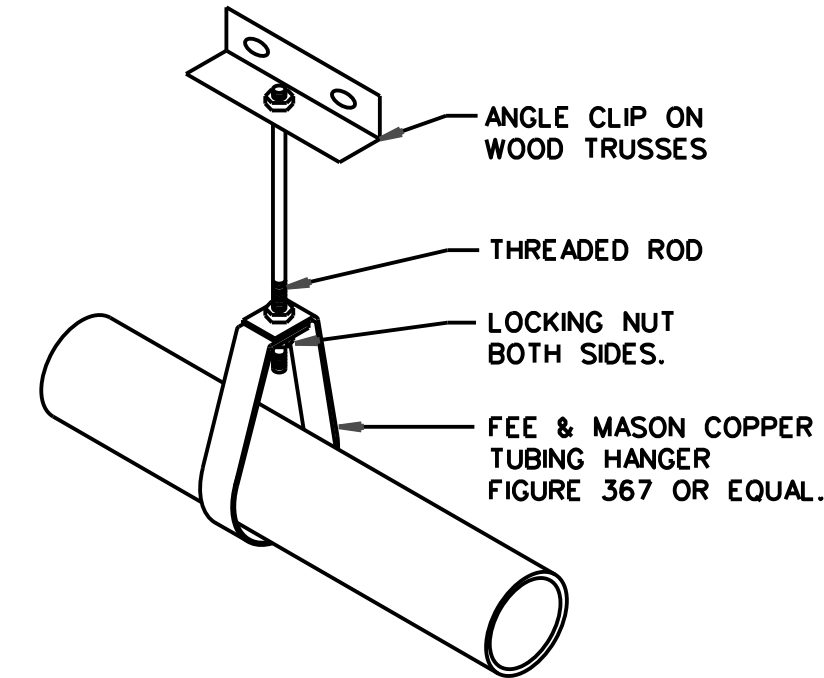
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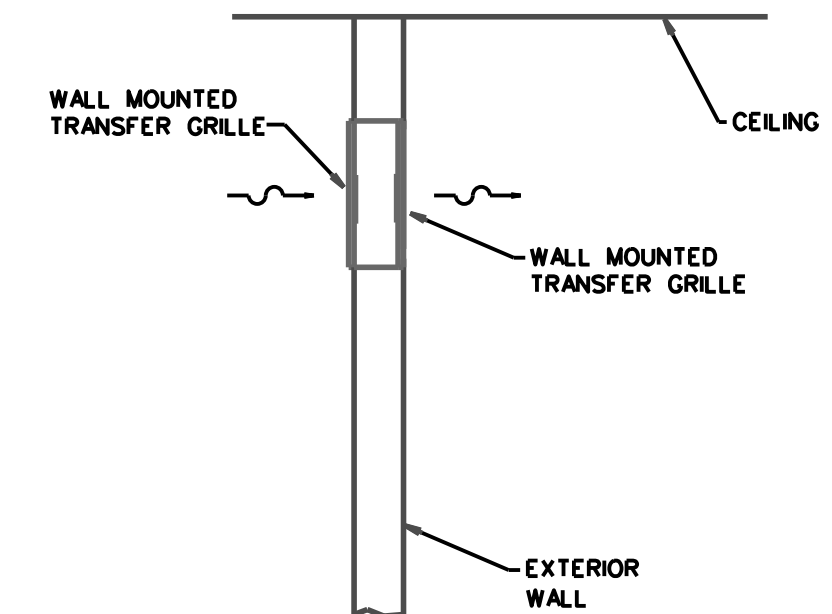
LOUVER MOUNTING DETAIL
NOT TO SCALE



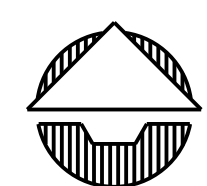
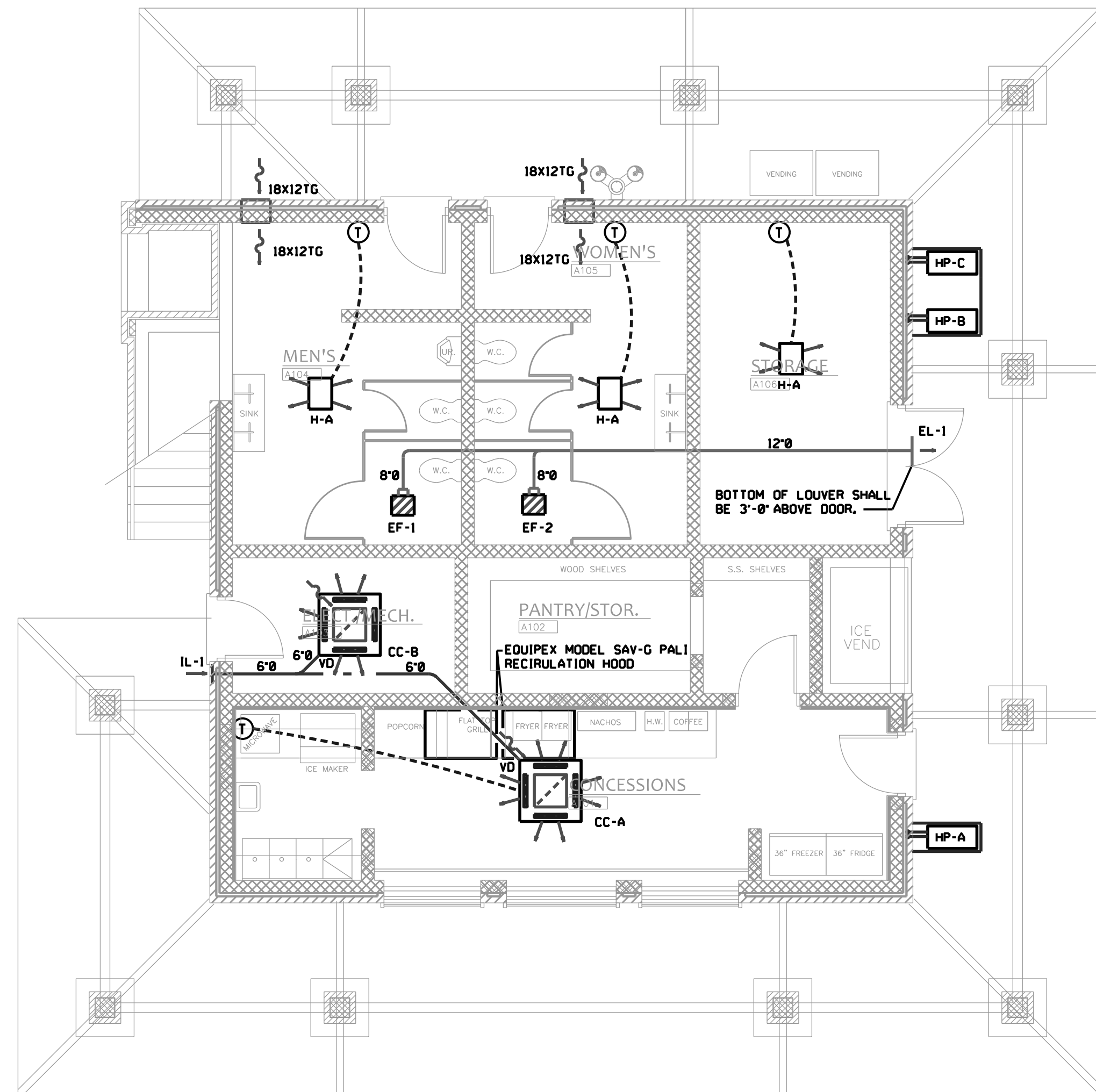
TYPICAL CONDENSATE CONNECTION & TRAP
NOT TO SCALE



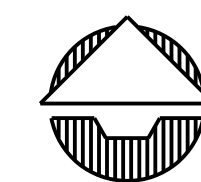
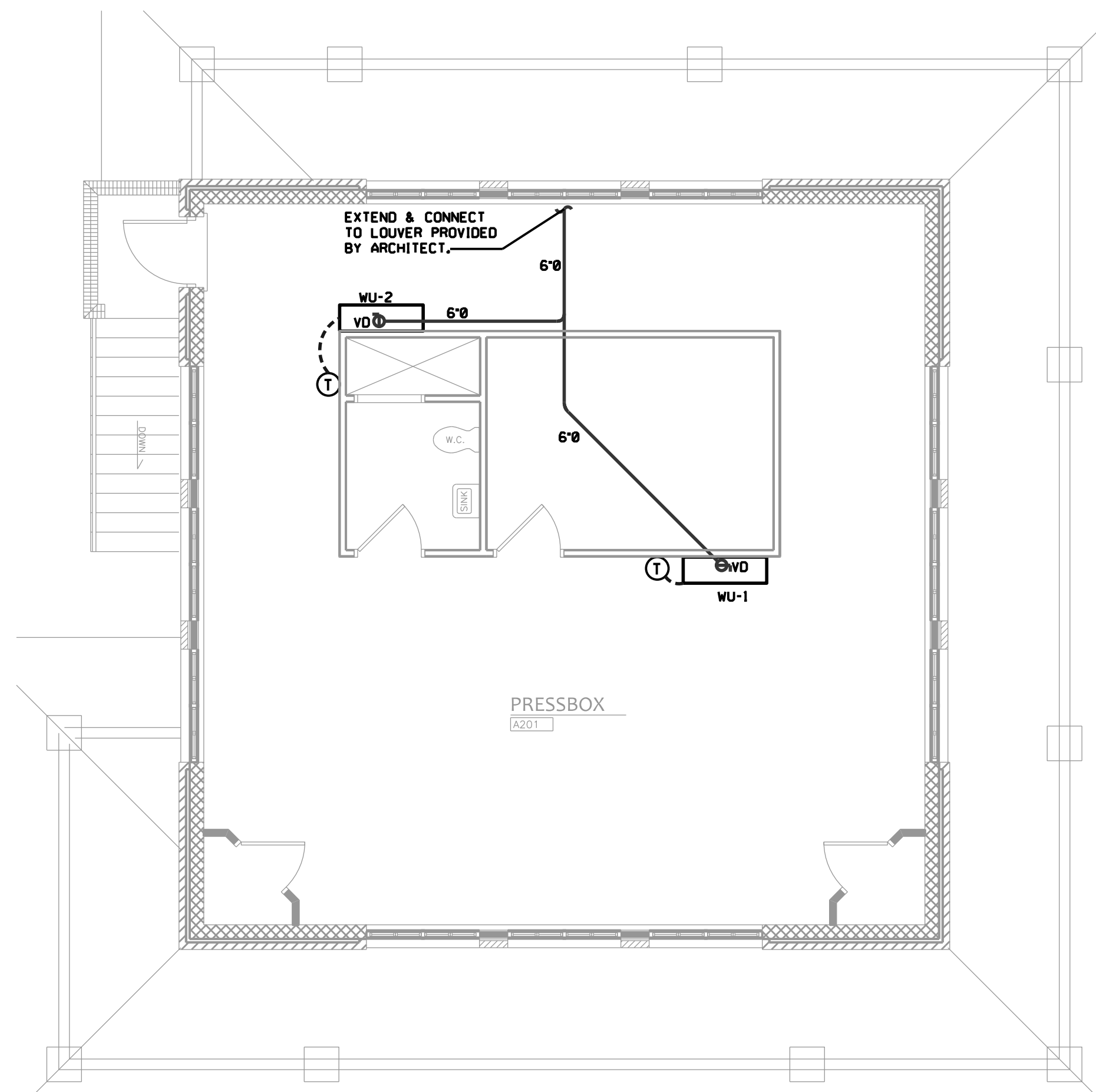
REFRIGERANT PIPE HANGER DETAIL
NOT TO SCALE



TRANSFER GRILLE DETAIL
NOT TO SCALE



PRESSBOX RENOVATION
MECHANICAL FLOOR PLAN
SCALE: 3/16" = 1'-0"



SECOND FLOOR PRESSBOX
MECHANICAL FLOOR PLAN
SCALE: 3/16" = 1'-0"



TOTAL DESIGN ENGINEERING

3408 6TH AVENUE SW
HUNTSVILLE, ALABAMA 35805
PHONE: 256-539-8585, FAX: 256-539-8508
EMAIL: SCLANTON@TOTALDESIGNENGINEERING.COM
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MECHANICAL FLOOR PLAN

SCALE: AS SHOWN
11.05.2021
REVISED

PROJECT NO: 2020C

M-1 OF 2

SHEET NO.

LOUVER SCHEDULE

MARK	EL-1	EL-1
SERVICE	INTAKE	EXHAUST
CONSTRUCTION	ALUMINUM	ALUMINUM
THROAT AREA (SQUARE FEET)	.28	.87
LOUVER SIZE (INCHES)	12X12	18X18
AIRFLOW (CFM)	90	450
MANUFACTURER	DOWCO	DOWCO
MODEL	LEC-04	LEC-04
ACCESSORIES	1,3	2,3,4

ACCESSORIES:
 1. INSECT SCREEN
 2. BRD. SCREEN
 3. FACTORY APPLIED EPOXY FINISH, COLOR SELECTED BY ARCHITECT.
 4. BACKDRAFT DAMPER

FAN SCHEDULE

MARK	EF-1	EF-2
TYPE	CEILING	CEILING
DRIVE	DIRECT	DIRECT
MOTOR HP / W	101 W	101 W
AIRFLOW (CFM)	225	225
STATIC PRESSURE (IN WG)	.25	.25
ELECTRICAL (VOLTS/PH/Hz)	277/1/60	277/1/60
MANUFACTURER	COOK	COOK
MODEL	GC-188	GC-188
ACCESSORIES	DISCONNECT, BACK-DRAFT DAMPER,	DISCONNECT, BACK-DRAFT DAMPER,
CONTROL	SWITCH W/LIGHTS	SWITCH W/LIGHTS

NOTES:
 1. FACTORY APPLIED EPOXY FINISH, COLOR SELECTED BY ARCHITECT.
 2. DISCHARGE EF-1 THRU EF-6 THRU LOUVER.

MINI SPLIT SYSTEM SCHEDULE

BASIS OF DESIGN, MANUFACTURER	MTSUBISHI	MTSUBISHI	MTSUBISHI	MTSUBISHI
AIR HANDLING UNIT				
MARK	CC-A	CC-B	WU-1	WU-2
COOLING CAPACITY AT ARI, MBH	36.0	12.0	36.0	36.0
HEATING CAPACITY AT ARI, MBH	38.0	14.0	40.0	40.0
SUPPLY AIR CFM	1200	530	920	920
OUTSIDE AIR	50	40	60	60
MODEL	PLA-A36EA7	PLA-A12EA7	TPKAA0A036KA70A	TPKAA0A036KA70A
HEAT PUMP UNIT				
MARK	HP-A	HP-B	HP-C	
COOLING CAPACITY AT ARI, MBH	48.0	36.0	36.0	
HEATING CAPACITY AT ARI, MBH	54.0	40.0	40.0	
MCA	35.0	24.0	24.0	
MDCP	40.0	40.0	40.0	
VOLT / PHASE	208/1/60	208/1/60	208/1/60	
MODEL	NTX0MX48A82	TRUZH036KA00NA	TRUZH036KA00NA	
SEER	14.7	18.5	18.5	

NOTES:
 1. INSTALL UNITS PER MANUFACTURERS SPECIFICATIONS.
 UNIT TO BE CONTROLLED BY HARD WIRED PROGRAMMABLE THERMOSTAT.
 INDOOR UNITS POWERED THROUGH OUTDOOR UNITS.

ELECTRIC HEATER SCHEDULE

SYSTEM BASIS OF DESIGN, MANUFACTURER	MARKEL
MARK	H-A
BTU OUTPUT	10200
KW	3
AMPS	10.8
VOLT / PHASE	208/1/60
MODEL	HF33850-RP

OPTIONS:
 1. TAMPER PROOF THERMOSTAT
 2. MANUAL RESET THERMAL LIMIT SWITCH

NOTES:
 1. INSTALL UNITS PER MANUFACTURERS SPECIFICATIONS

REGISTER, GRILLE & DIFFUSER SCHEDULE

SYM	TYPE	MANUFACTURER	MODEL	REMARKS
TG	TRANSER GRILLE	TITUS	4FL	BAKED WHITE FINISH

NOTES:
 1. REGISTERS, GRILLES, & DIFFUSERS HAVE BEEN SPECIFIED AS TITUS TO ESTABLISH QUALITY.
 EQUAL PRODUCTS BY ANEMOSTAT OR METALARE WILL BE CONSIDERED.
 2. BAKED WHITE FINISH IS A BASELINE. COORDINATE WITH ARCHITECT AND OWNER PRIOR TO ORDERING.

MECHANICAL NOTES

- DUCT SIZES ARE BASED ON FREE AREA OPENING. SUPPLY DUCTS LOCATED IN INTERIOR UNCONDITIONED SPACES SHALL HAVE AN INSULATION RATING OF NO LESS THAN R-6. SUPPLY AND RETURN DUCTS LOCATED IN EXTERIOR AREAS SHALL HAVE AN INSULATION RATING OF NO LESS THAN R-8. EXTERIOR INSULATION IF USED SHALL INCLUDE A VAPOR BARRIER. THE CONTRACTOR WILL ADJUST ACCORDINGLY TO COMPENSATE FOR DUCT LINER IF USED. ROUND AND RECTANGULAR EQUIVALENT DIMENSIONS ARE ALLOWABLE.
- MECHANICAL CONTRACTOR TO COORDINATE EXACT LOCATION OF DIFFUSERS AND REGISTERS WITH GRID AND LIGHTS.
- REFERENCE TO SPECIFIC MANUFACTURERS ARE USED IN TO ESTABLISH MINIMUM PERFORMANCE REQUIREMENTS AND QUALITY. OTHER MANUFACTURERS WITH EQUAL OR BETTER QUALITY EQUIPMENT ARE ALLOWED TO SUBSTITUTE THEIR PRODUCTS. EQUAL MANUFACTURERS WILL BE CONSIDERED AT DISCRETION OF ENGINEER.
- DUCTS PENETRATING WALLS OR PARTITIONS HAVING A FIRE RESISTANCE RATING OF 1 BUT LESS THAN 3 HOURS SHALL INCLUDE FIRE DAMPERS AT THE PENETRATION. DAMPERS SHALL HAVE A FIRE RESISTANCE RATING NO LESS THAN 1.5 HR. USE OF STATIC RATED DAMPERS IS ACCEPTABLE SINCE SYSTEM IS DESIGNED FOR AUTOMATIC SHUTDOWN IN CASE OF FIRE/SMOKE.
- MECHANICAL CONTRACTOR TO VERIFY EXACT LOCATION OF T-STATS WITH OWNER.
- ROUTE 1" CONDENSATE DRAINS TO EXTERIOR WALL 12" A.F.F., ELL OUT AND DOWN 90 DEGREE, SPILL ON GRADE.

DEMOLITION NOTES

- ALL EXHAUST SYSTEMS AND DUCTWORK IN THE 1ST FLOOR OF THE PRESSBOX ARE TO BE REMOVED.

MECHANICAL LEGEND

- ① • THERMOSTAT
- VD • VOLUME DAMPER

RECTANGULAR DUCT SYSTEM GAGES

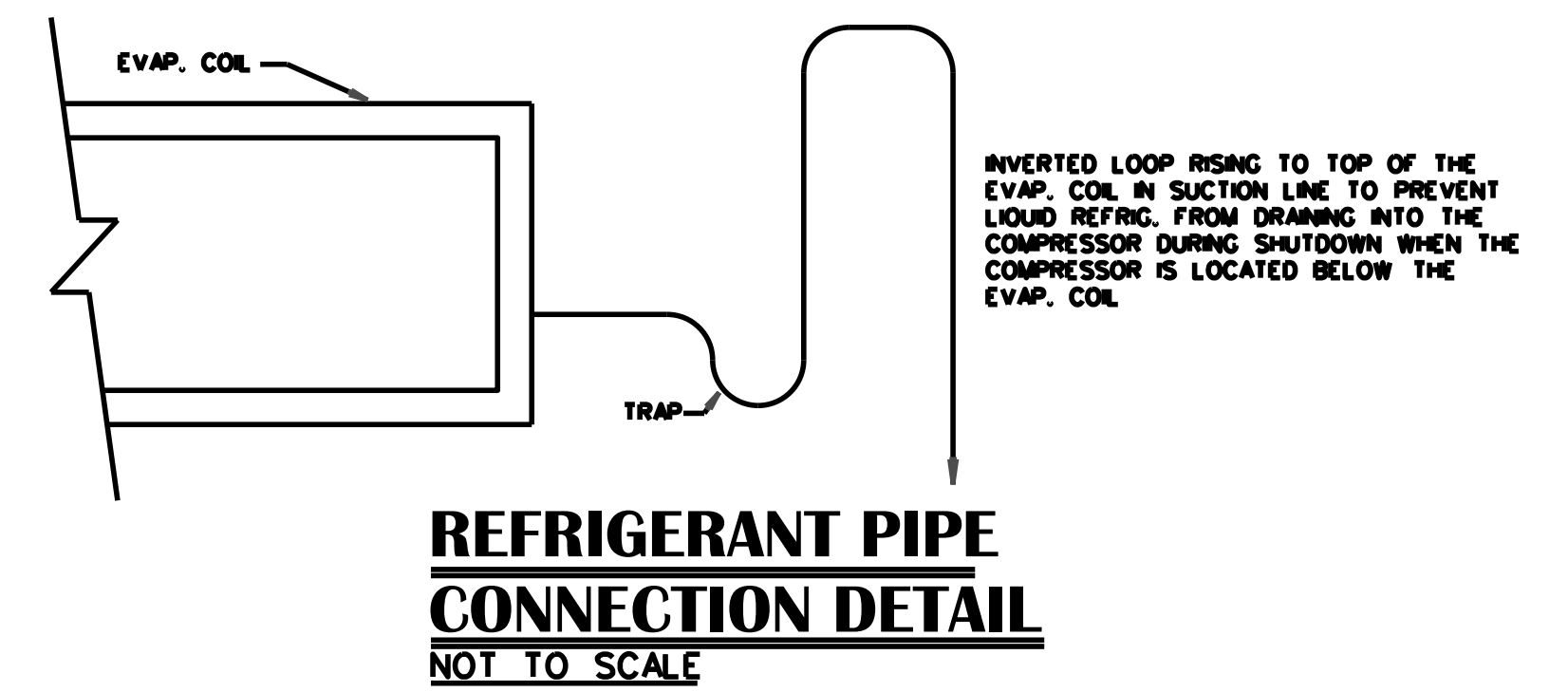
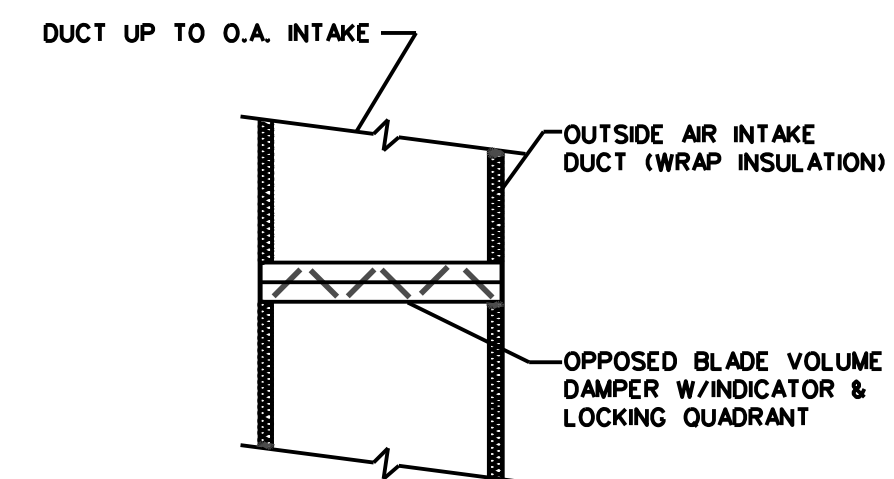
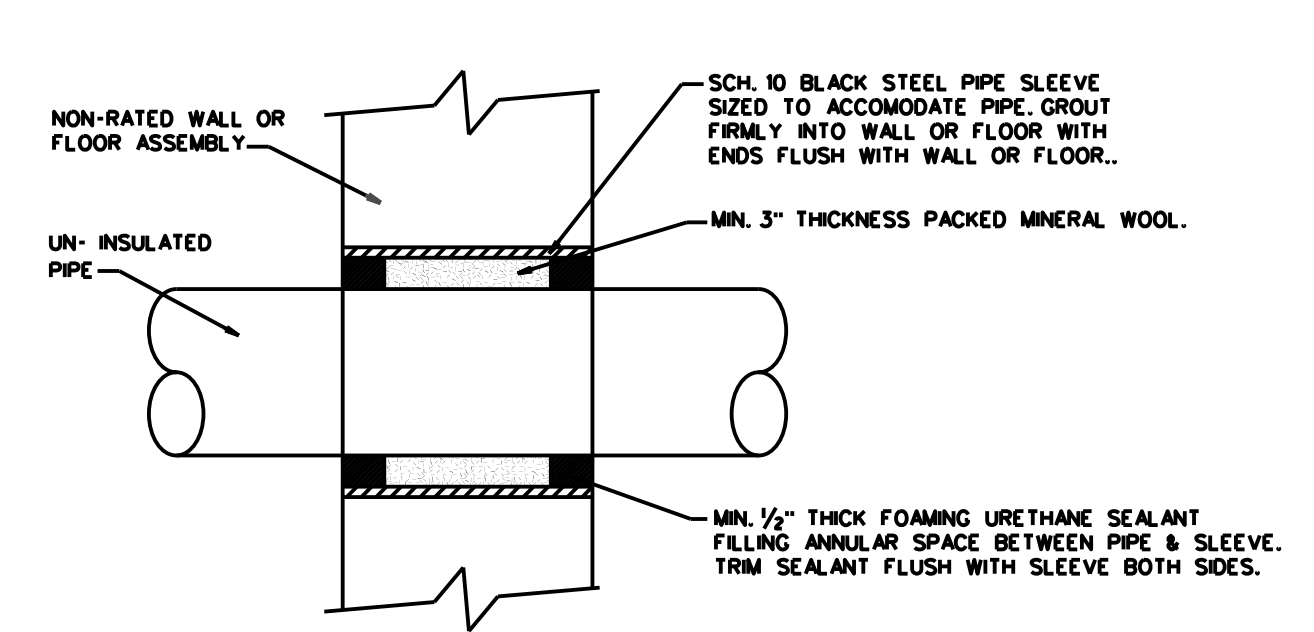
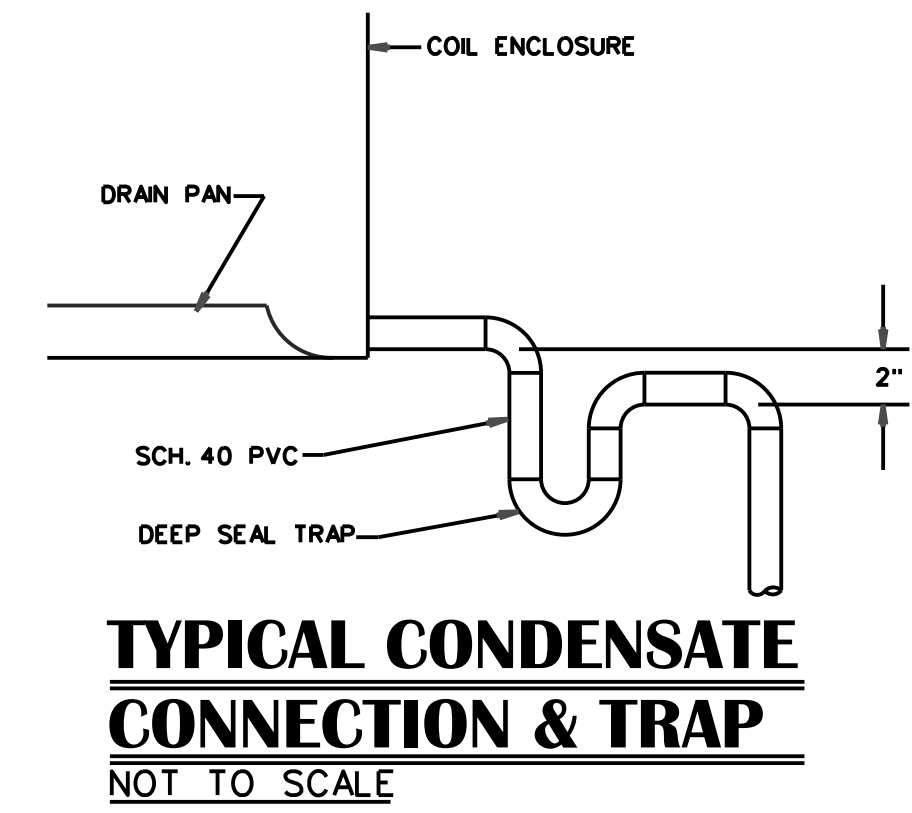
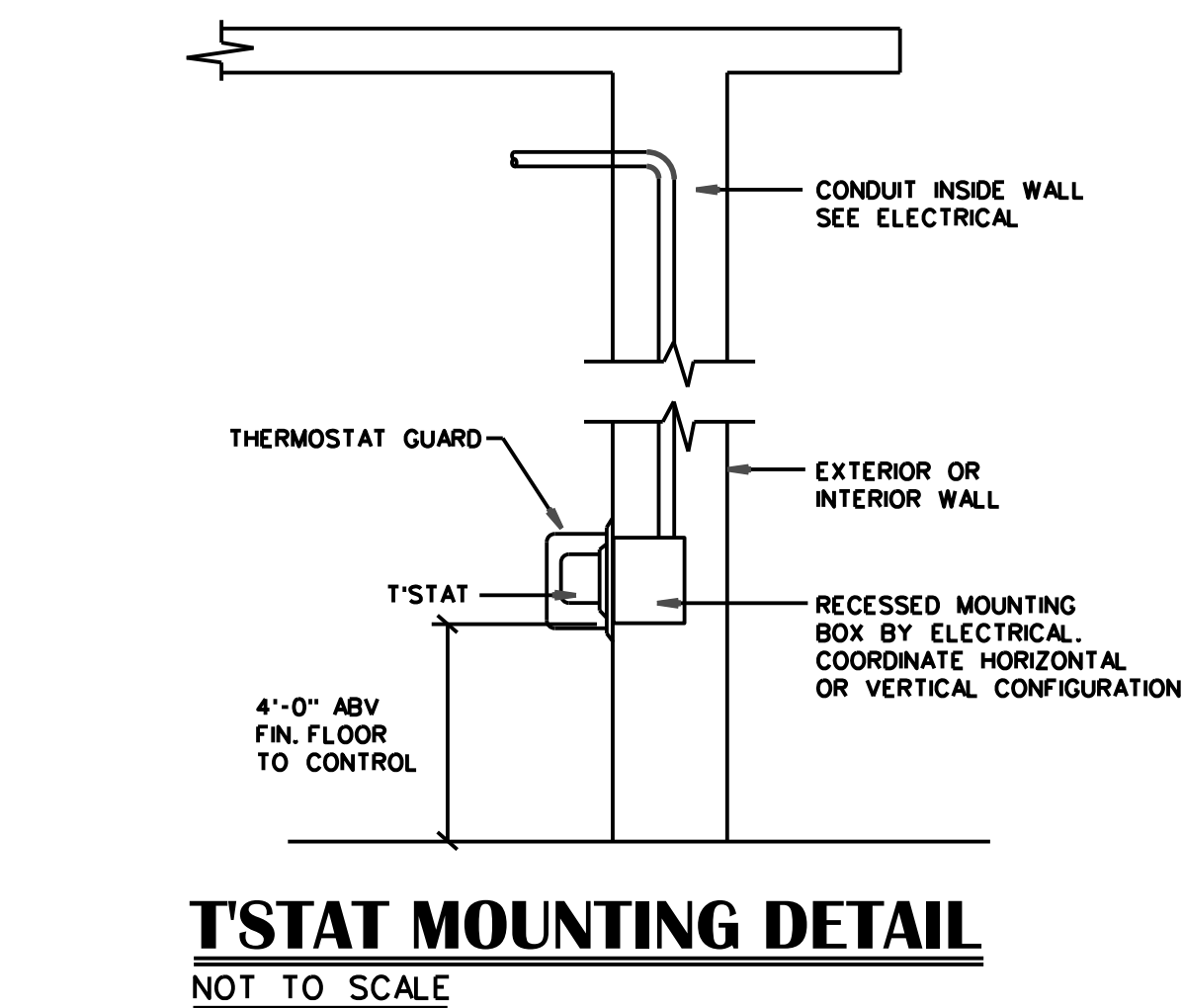
RECTANGULAR DUCTWORK, 1/2-IN. WG STATIC PRESSURE POSITIVE OR NEGATIVE, UP TO 2,000 FPM, BASED ON PROPER REINFORCEMENTSPACED AT 10-FT INTERVALS.			
LARGEST DIMENSION, INCHES	GALVANIZED STEEL GAGE	ALUMINUM, " B&S GAGE	COPPER, " B&S GAGE
THROUGH 26	26	24	24
27-30	24	22	20
31-36	22	20	18
37-48	20	18	18
49-60	18	16	14
73-84	16	14	12
85-96	16	BUT 8-FT REINFORCEMENT SPACING REQUIRED	
OVER 96	18	BUT 5-FT CLASS-H SPACING	

RECTANGULAR DUCTWORK, 1-IN. WG STATIC PRESSURE POSITIVE OR NEGATIVE, UP TO 2,500 FPM, BASED ON PROPER REINFORCEMENTSPACED AT 10-FT INTERVALS.			
LARGEST DIMENSION, INCHES	GALVANIZED STEEL GAGE	ALUMINUM, " B&S GAGE	COPPER, " B&S GAGE
THROUGH 14	26	24	24
15-24	24	22	20
25-30	22	20	18
31-36	20	18	18
37-42	18	16	14
43-54	16	14	12
55-60	18	BUT 8-FT REINFORCEMENT SPACING REQUIRED	
61-84	18	BUT 5-FT CLASS-H SPACING	
85-96	16	BUT 8-FT REINFORCEMENT SPACING REQUIRED	
OVER 96	18	BUT 5-FT CLASS-H SPACING	

RECTANGULAR DUCTWORK, 2-IN. WG STATIC PRESSURE POSITIVE OR NEGATIVE, UP TO 2,500 FPM		
LARGEST DIMENSION, INCHES	GALVANIZED STEEL GAGE	REINFORCEMENT SPACING INTERVALS, FT.
THROUGH 18	22	10
19-26	20	10
27-30	18	10
31-36	16	10
37-48	16	8
49-60	18	5
61-72	16	5
73-84	18	4, CLASS J
85-96	16	4, CLASS K
OVER 96	18	2 1/2, CLASS H

ROUND DUCT SYSTEM GAGES

DUCT DIAMETER, IN.	ROUND DUCTWORK, GALVANIZED STEEL, GAGE SELECTION					
	MAXIMUM 2-IN. WG STATIC POSITIVE		MAXIMUM 10-IN. WG STATIC POSITIVE		MAXIMUM 2-IN. WG STATIC POSITIVE	
	SPECIAL SLANT GAGE IN.	STANDARD GAGE IN.	SPECIAL SLANT GAGE IN.	STANDARD GAGE IN.	SPECIAL SLANT GAGE IN.	STANDARD GAGE IN.
3-8	28	28	26	24	28	24
9-14	28	26	26	24	26	24
15-26	26	24	24	22	24	22
27-36	24	22	22	20	22	20
37-50	22	20	20	20	20	18
51-60	20	18	18	18	18	16
61-84	18	16	18	16	16	14



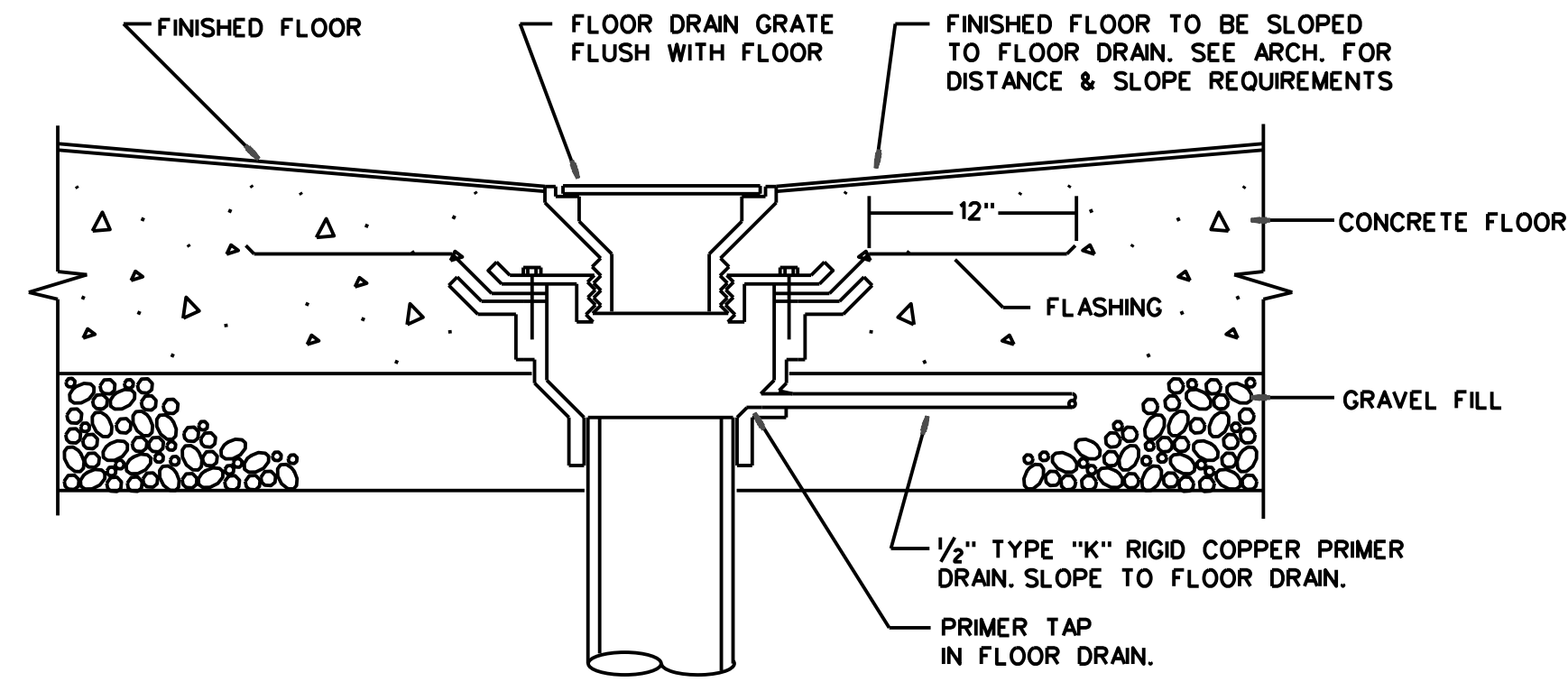
B. Craig Lipscomb Architect
 442 Chestnut Street
 Gadsden, AL 35901
 256-390-5657
 www.BCLArch.com

PHASE B
 A SPORTS PARK for the CITY OF GADSDEN
 GADSDEN, ALABAMA



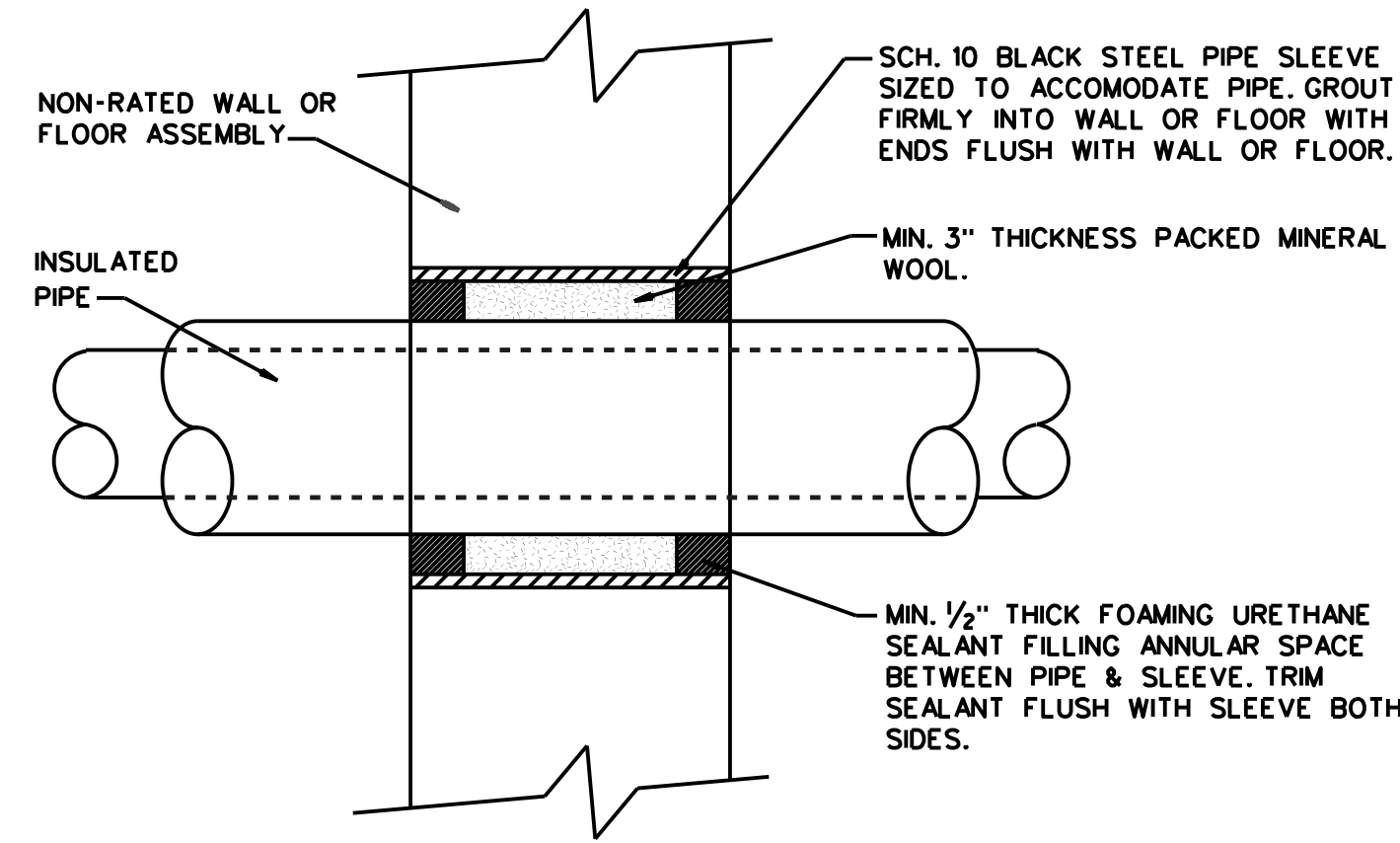
MECHANICAL DETAILS	
SCALE:	AS SHOWN
11.05.2021	
REVISED	
PROJECT NO:	2020C
M-2 OF 2	
SHEET NO.	

TOTAL DESIGN ENGINEERING
 340S 6TH AVENUE SW
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 TSK-21-234



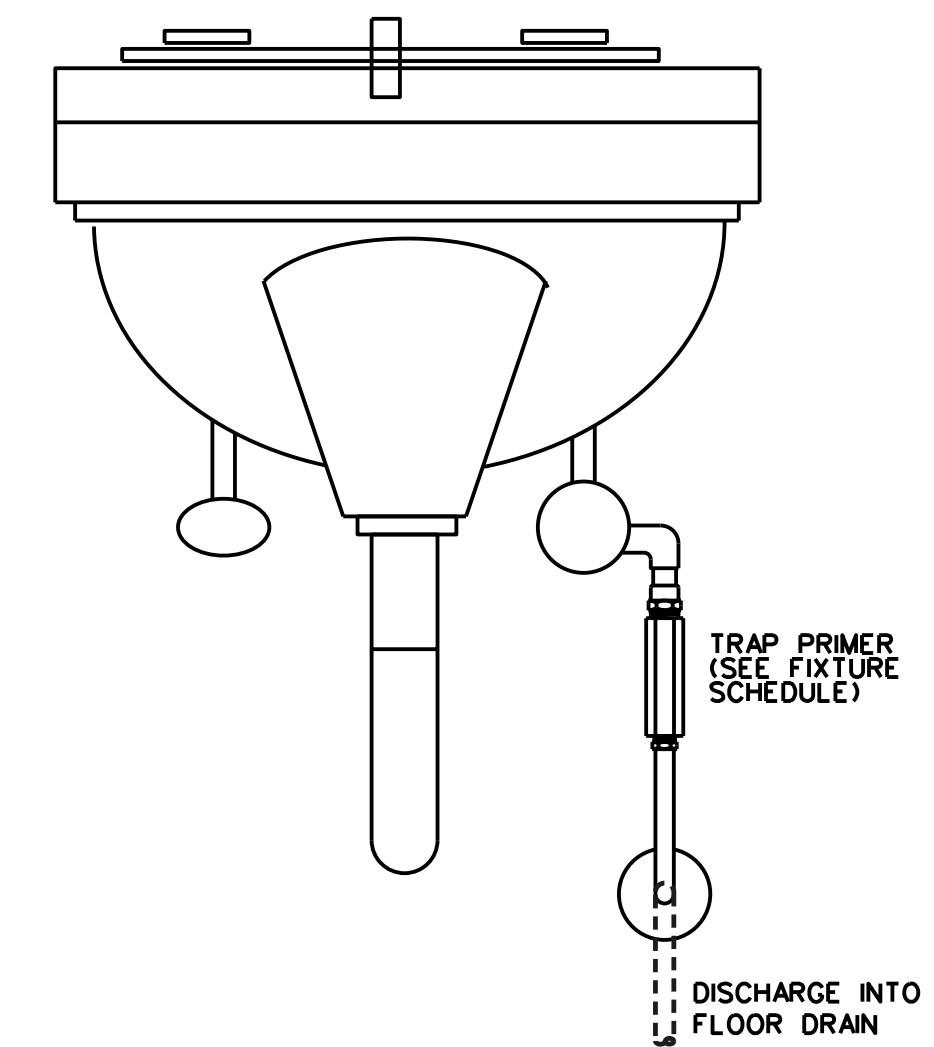
**TYPICAL FLOOR DRAIN DETAIL
@ CONC. FLOOR ON GRADE**

NOT TO SCALE



NON-RATED PIPE SLEEVE DETAIL

NOT TO SCALE

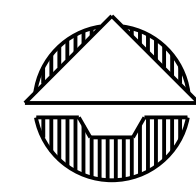
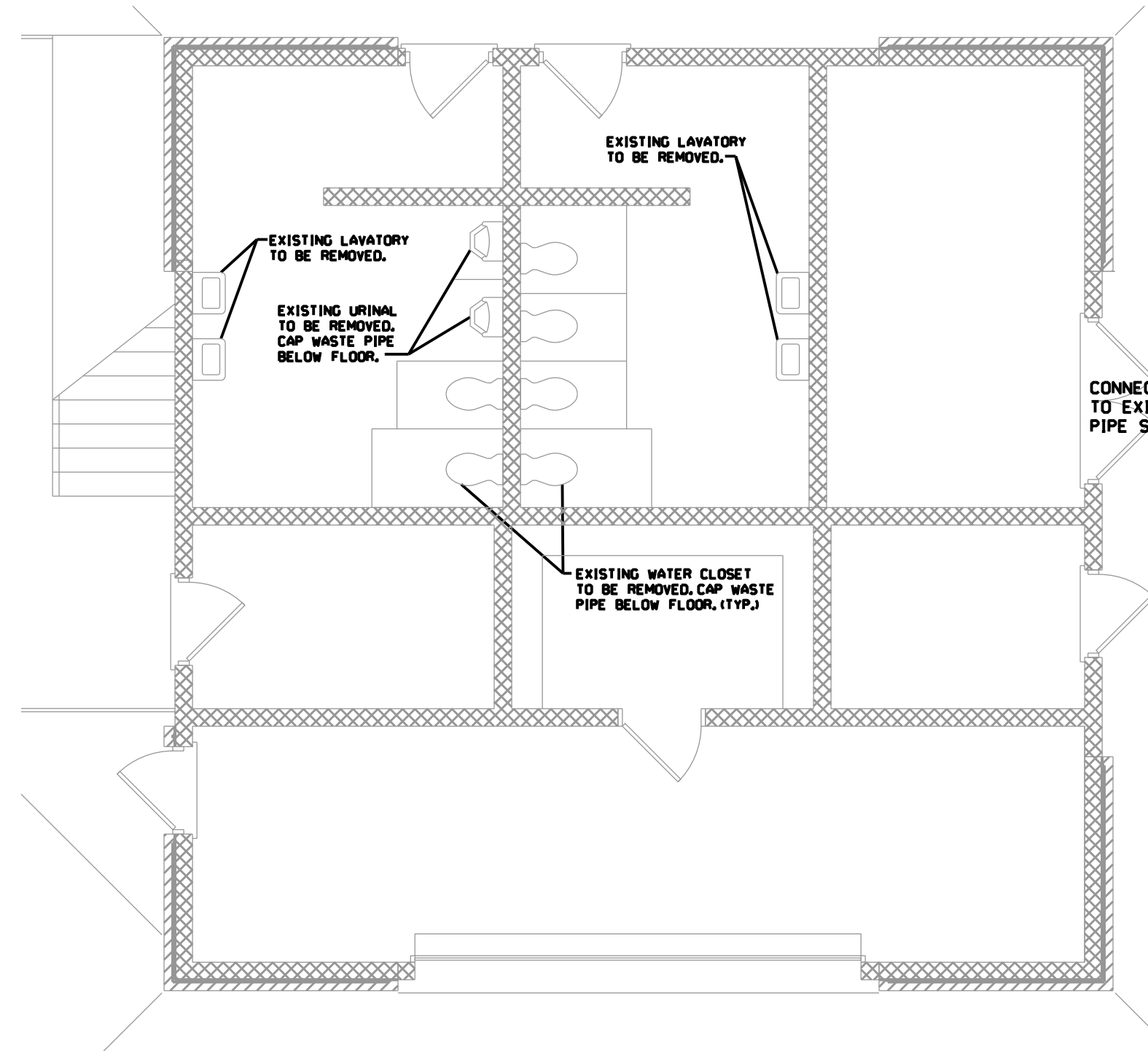


TRAP PRIMER DETAIL

NOT TO SCALE

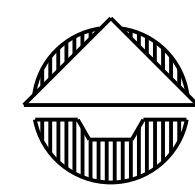
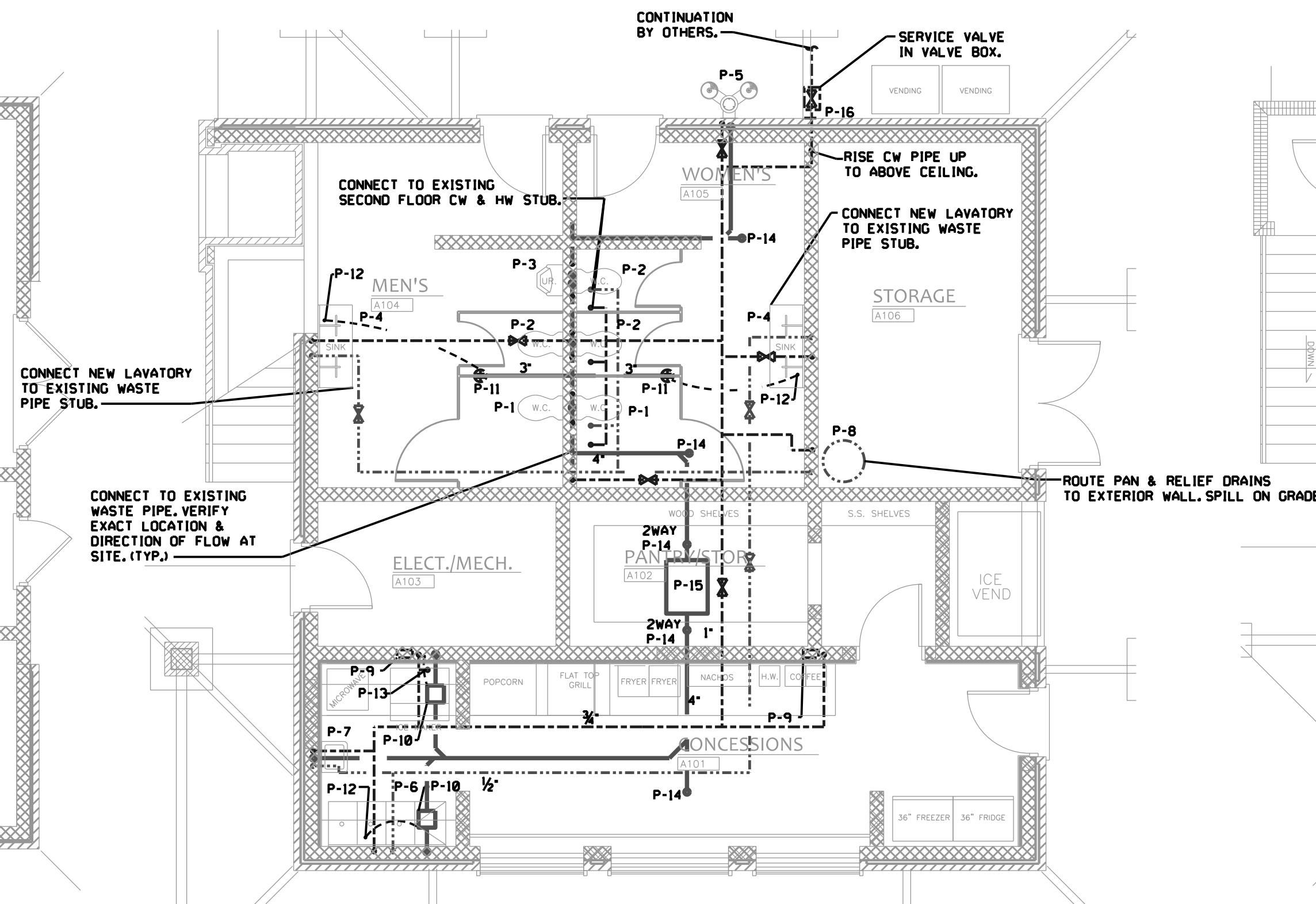
DEMOLITION NOTES FOR PRESSBOX

1. ALL CW PIPE TO BE REMOVED, EXCEPT THE PLUMBING STUB FOR THE SECOND FLOOR FIXTURES.
2. ALL HW PIPES TO BE REMOVED, EXCEPT THE PLUMBING STUBS FOR THE SECOND FLOOR.
3. ALL SECOND FLOOR FIXTURES TO REMAIN.



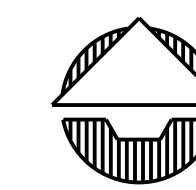
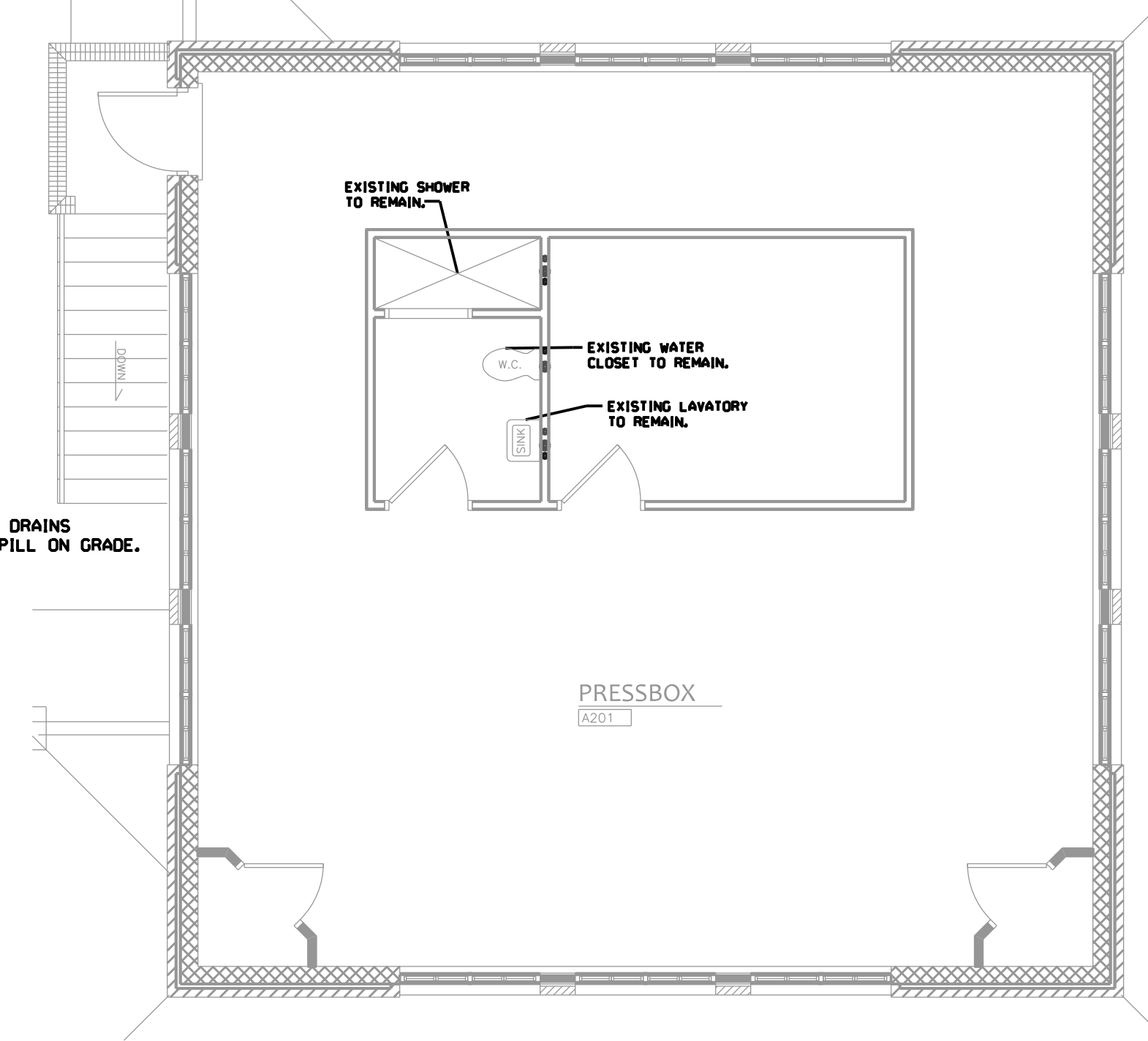
**PRESSBOX DEMOLITION
PLUMBING FLOOR PLAN**

SCALE: 3/16" = 1'-0"



**PRESSBOX RENOVATION
PLUMBING FLOOR PLAN**

SCALE: 3/16" = 1'-0"

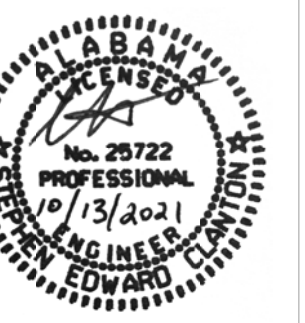


**SECOND FLOOR PRESSBOX
PLUMBING FLOOR PLAN**

SCALE: 3/16" = 1'-0"

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PHASE B
A SPORTS PARK for the CITY OF GADSDEN
GADSDEN, ALABAMA



PLUMBING FLOOR PLAN

SCALE: AS SHOWN

11.05.2021

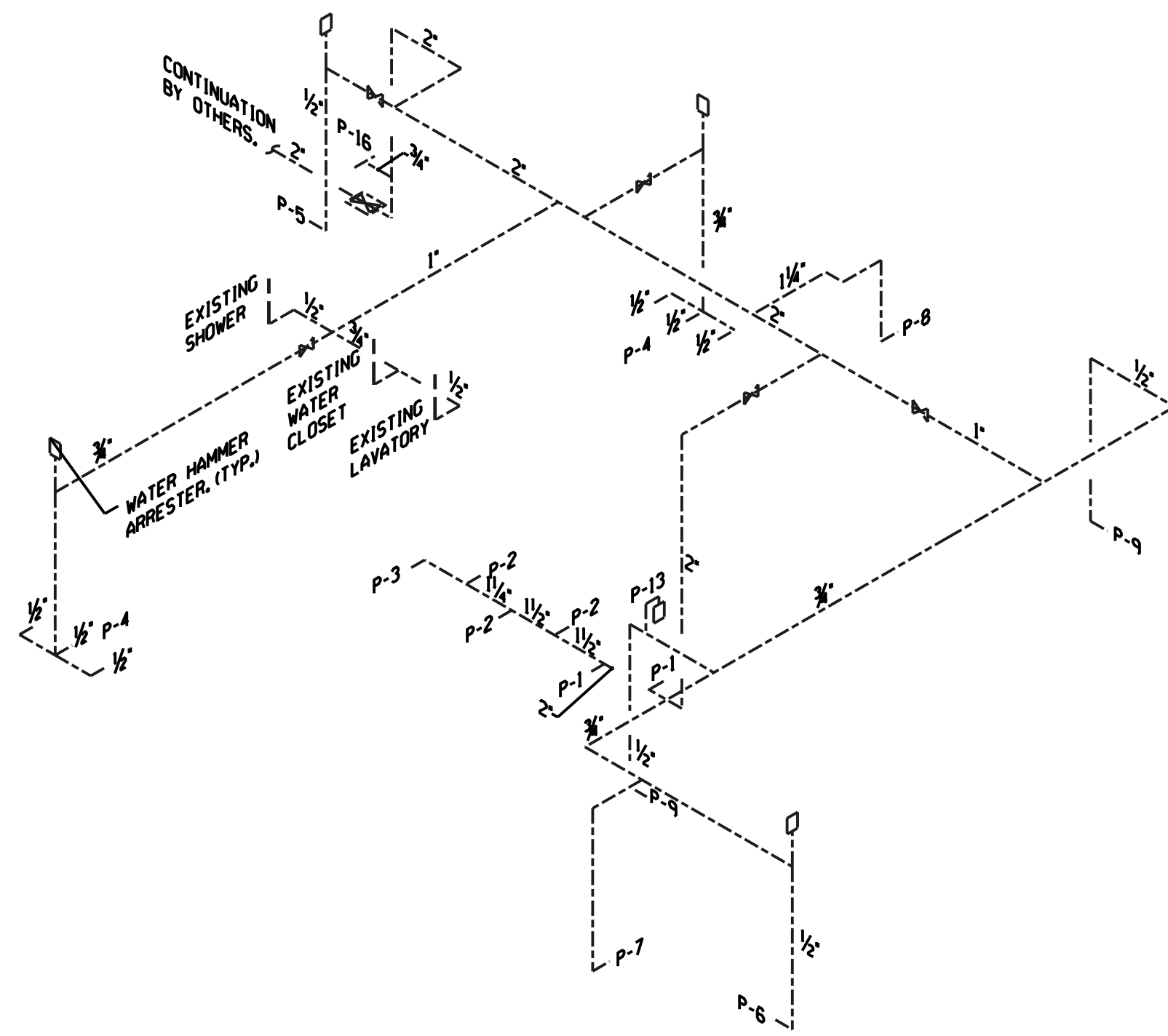
REVISED

PROJECT NO: 2020C

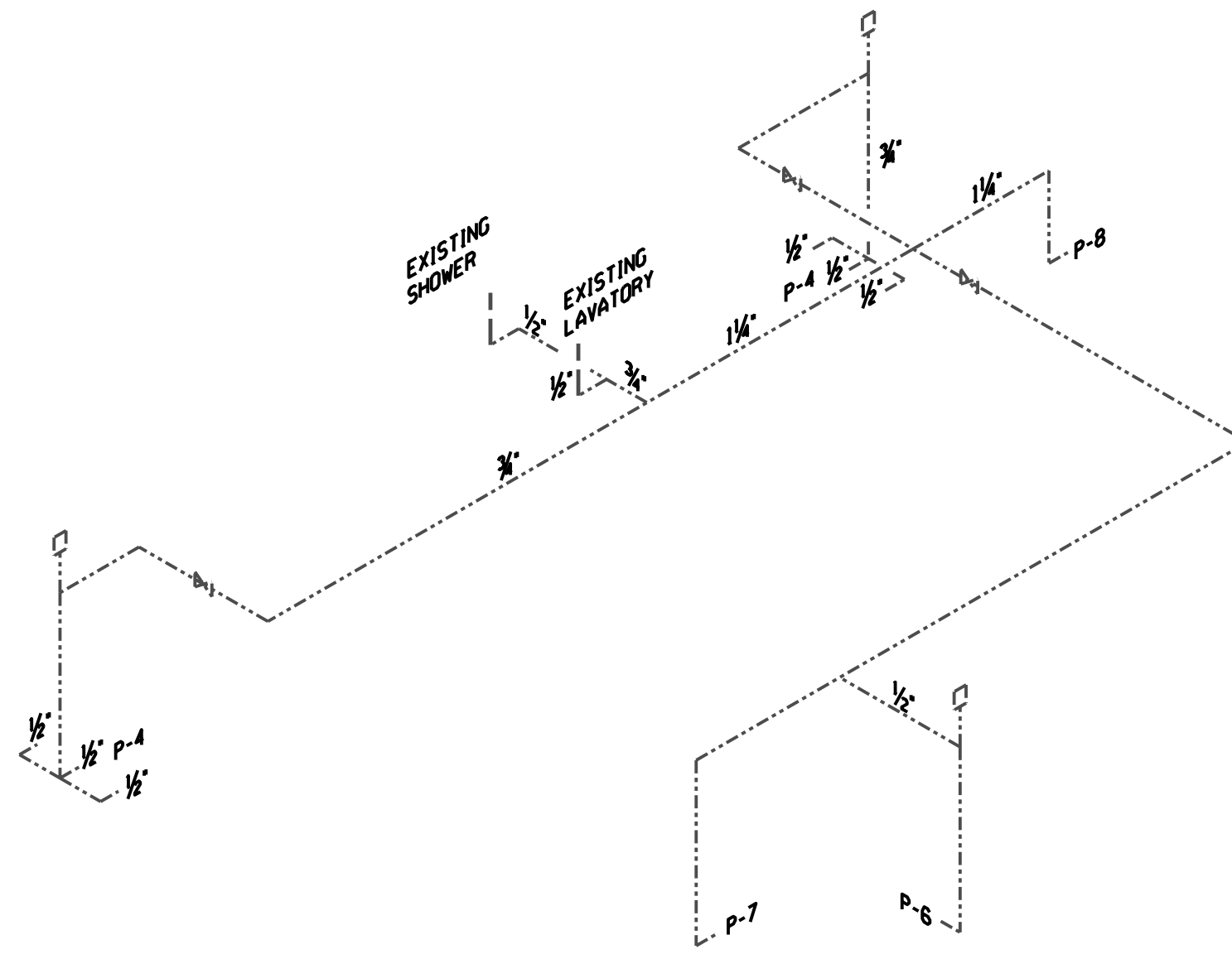
P-1 OF 2

SHEET NO.

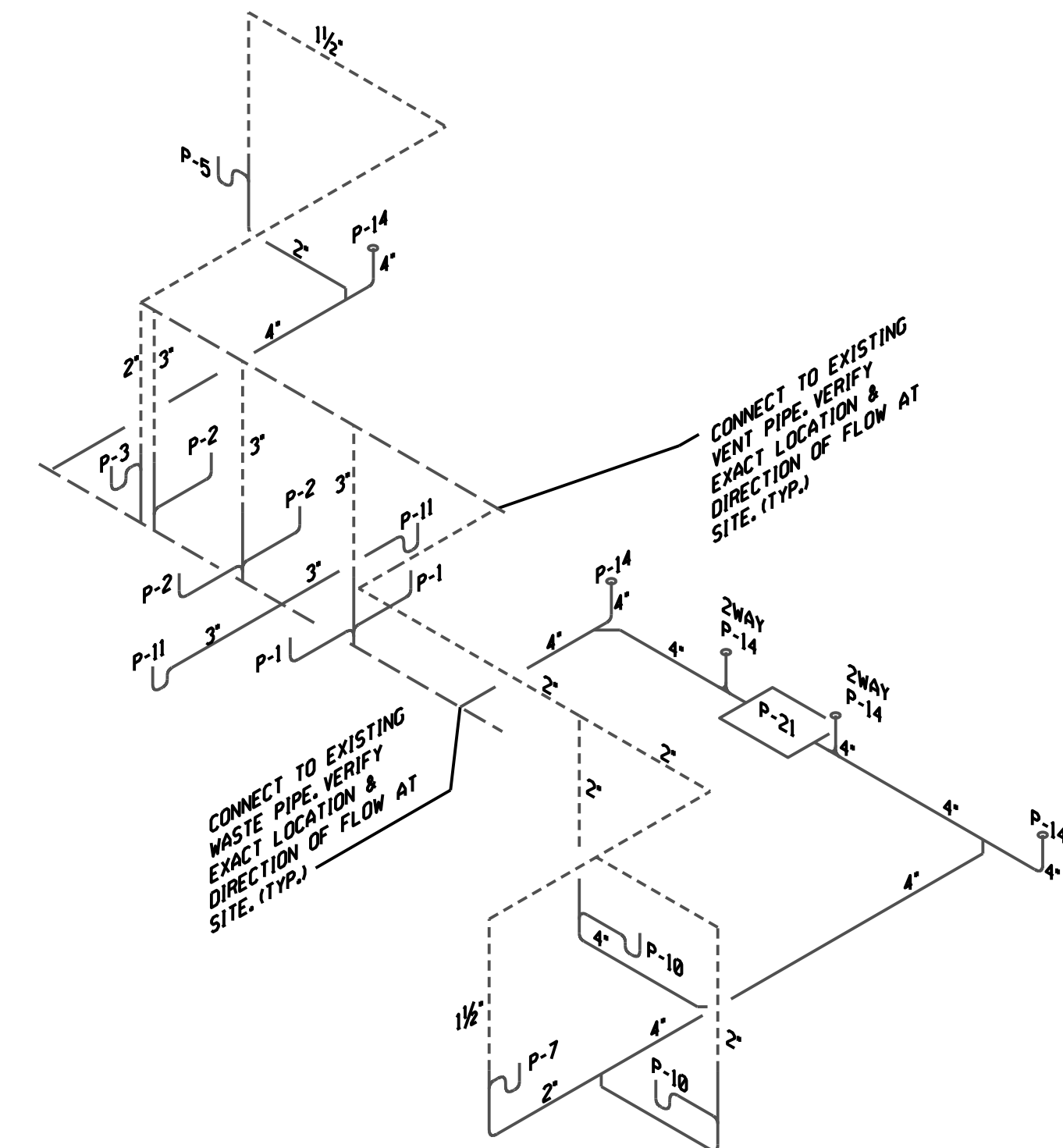
**TOTAL DESIGN
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TSK-21-234



COLD WATER DIAGRAM
NOT TO SCALE



HOT WATER DIAGRAM
NOT TO SCALE

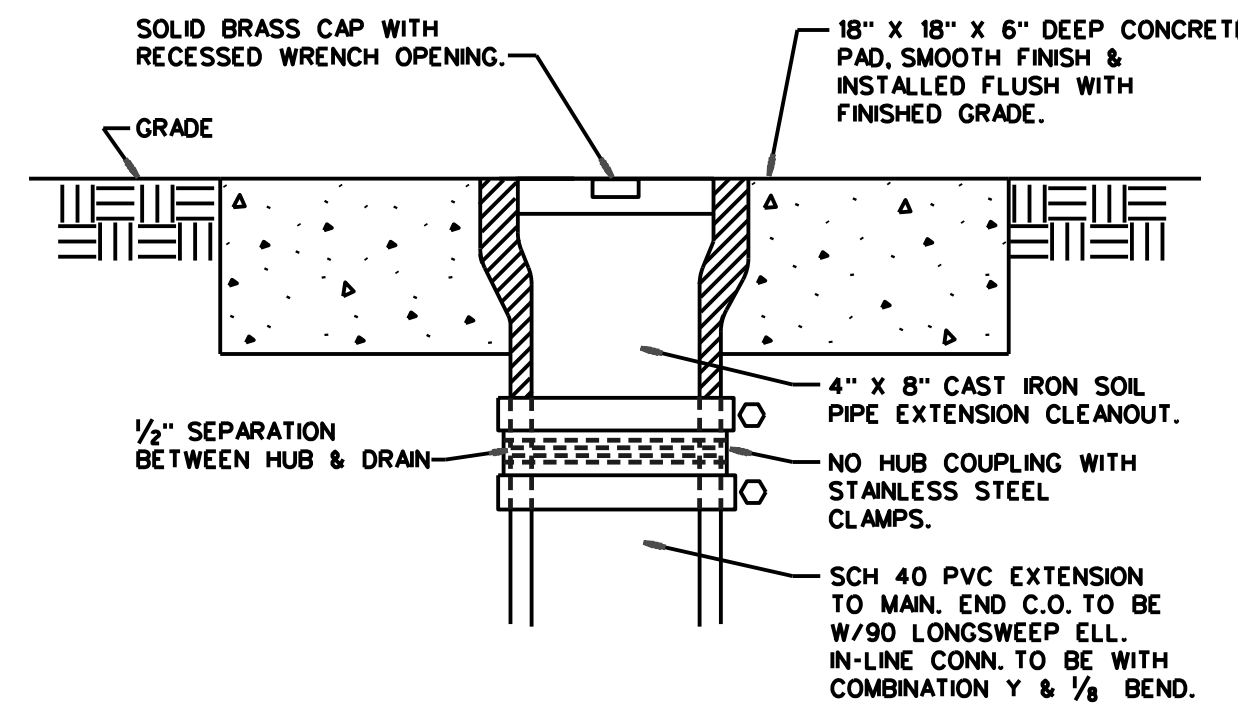


WASTE & VENT DIAGRAM
NOT TO SCALE

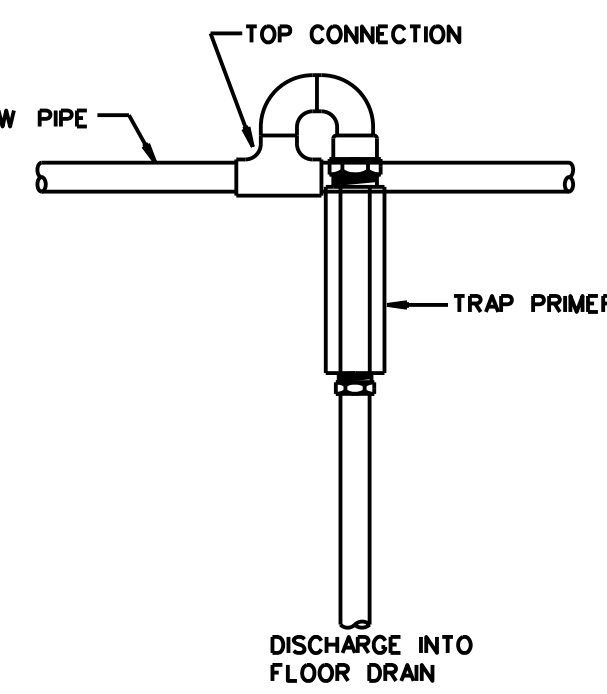
PLUMBING FIXTURE SCHEDULE			
FIXTURE NUMBER	DESCRIPTION	PIPE SIZE	
		WASTE	H.W.
P-1	WATER CLOSET (ADA): KOHLER NO. K-96057, 15 1/2" HIGH, WHITE, FLOOR MOUNTED ELONGATED SIPHON JET, SOLID PLASTIC OPEN FRONT SEAT WITH STAINLESS STEEL SELF-SUSTAINING CHECK HINGE, CHINA BOLT CAPS AND SLOAN REGAL FLUSH VALVE NO. III-XL-YK. MOUNT THE FLUSH VALVE 28" ABOVE THE FLOOR WITH THE HANDLE ON THE WIDE SIDE OF THE STALL OR ROOM.	4"	1"
P-2	WATER CLOSET: KOHLER NO. K-96053, WHITE, FLOOR MOUNTED ELONGATED SIPHON JET, SOLID PLASTIC OPEN FRONT SEAT WITH STAINLESS STEEL SELF-SUSTAINING CHECK HINGE, CHINA BOLT CAPS AND SLOAN REGAL FLUSH VALVE NO. III-XL-YK.	4"	1"
P-3	URINAL (ADA): AMERICAN STANDARD NO. 6550.505.020, WHITE VITREOUS CHINA, WALL HUNG, FLUSH VALVE NO. 6063.051. RW OF URINAL TO BE 17"	2"	3/4"
P-4	LAVATORY: ELKAY MODEL NO. EHM42203, 14-GAUGE STAINLESS STEEL, 22"x20"x8", WALL HUNG THREE STATION HAND WASH, 304 STAINLESS STEEL, BUFFED SATIN, WITH THREE AMERICAN STANDARD MODEL NO. R350 & T068.305.002 FAUCETS & PHOENIX LITHIUM BATTERY POWER KIT, 17 GAUGE STAINLESS STEEL TRAP, MCCOURE 2165LK SUPPLIES WITH STOPS, INSTALL THERMOSTATIC MIXING VALVE EQUAL TO SYMMONS MODEL 5-102, TEMPERATURE NOT TO EXCEED 105 DEGREES	2"	1/2"
P-5	OUTDOOR DRINKING FOUNTAIN (ADA): ELKAY MODEL LK44098F, WALL MOUNTED BI-LEVEL NON-REFRIGERATED BOTTLE FILLING STATION, 17 GAUGE STAINLESS STEEL TRAP AND MCCOURE NO. 2165LK SUPPLY WITH STOP, FINISH SHALL BE AS SELECTED BY THE ARCHITECT.	2"	1/2"
P-6	3 COMPARTMENT SINK: ADVANCE TABCO MODEL FC-3-1620-18R 16 GAUGE STAINLESS STEEL SINK, 68.5" LONG WITH THREE 16"x20" COMPARTMENTS WITH RIGHT HAND DRAINBOARD, 1" STAINLESS STEEL ADJUSTABLE LEGS & TILE EDGE SPLASH ROLLED EDGE, PRE-RINSE SPRAY NOZZLE, 8-9133-ADP12-B, 8" WALL MOUNT MIXING FAUCET WITH LEVER HANDLES AND 12" SWING NOZZLE, 44" FLEXIBLE STAINLESS STEEL HOSE, THREE 1/2" IPS S/S CENTER WASTE DRAINS, MCCOURE 2165LK SUPPLIES AND STOP, INSTALL 2" TYPE L RIGID COPPER PIPING FROM STRAINER DRAINS CONNECTIONS TO FLOOR SINK.	2"	1/2"
P-7	HANDWASH LAVATORY: ELKAY MODEL CHS-1716-C, STAINLESS STEEL, WALL HUNG, 16 1/2" X 15 1/2", WITH NO. LK-499 GOOSENECK MIXING FAUCET, NO. LK-8 STRAINER, 17 GAUGE TRAP & MCCOURE 2165LK SUPPLIES WITH STOPS.	2"	1/2"
P-8	WATER HEATER: RHEEM MODEL NO. ELD52, 50 GALLON WITH 2" 4500 WATT NON-SIMULTANEOUS ELEMENTS, 480/3/60, FOAM INSULATED, GLASS LINED, OPERATING AND SAFETY CONTROLS, VACUUM BREAKER AND ASME TAP RELIEF VALVE, INSTALL ON MOUNTING FRAME AS INDICATED ON THE DRAWINGS, INSTALL EXPANSION TANK, HYDRAPRO MODEL HPTET2.	-	1"
P-9	VALVE BOX: WATER TITE MODEL AB9700, RECESSED WALL BOX WITH 1 1/2" VALVE AND WALL FLANGE.	-	1/2"
P-10	FLOOR SINK: SMITH NO. 3168104, 12" X 12" X 18" DEEP, CAST IRON BODY, PORCELAIN ENAMEL, HALF GRATE COVER WITH BOTTOM DOME STRAINER.	4"	-
P-11	FLOOR DRAIN: SMITH NO. 2805Y84-AB75B-P, 4" DRAIN WITH 7" DIAMETER SATIN BRONZE STRAINER, 1/2" PRIMER TAP AND DEEP SEAL TRAP.	4"	-
P-12	TRAP PRIMER: PRECISION PLUMBING PRODUCTS MODEL ULP-508LP, INSTALL PER DETAILS ON THE DRAWINGS AND MANUFACTURERS SPECIFICATIONS.	-	1/2"
P-13	TRAP PRIMER: PRECISION PLUMBING PRODUCTS MODEL PR-508, INSTALL PER DETAILS ON THE DRAWINGS AND MANUFACTURERS SPECIFICATIONS.	-	1/2"
P-14	FLOOR CLEANOUT: SMITH NO. 4831L&F-C-PB, 4" ADJUSTABLE FLOOR CLEANOUT WITH SATIN FINISH BRONZE TOP IN CAST IRON FERRULE.	4"	-
P-15	GREASE INTERCEPTOR: SIZED PER GPM LOAD BASED ON THE INTERNATIONAL PLUMBING CODE FOR THE NUMBER OF FIXTURES LOCATED IN THE CONCESSION AREA, THE TOTAL FIXTURE LOAD AS CALCULATED FROM THE CODE IS 18 FIXTURE UNITS, FROM SECTION 709.2 IN THE INTERNATIONAL PLUMBING CODE THE EQUIVALENT NUMBER FOR GPM FROM THE FIXTURE UNITS IS AS FOLLOWS: 1 GPM = 2 FIXTURE UNITS, THIS EQUATES TO A TOTAL OF 9 GPM FLOW RATE OUT OF THE CONCESSION INTO THE SANITARY SEWER SYSTEM. A MIFAB MODEL MIU-3 GREASE INTERCEPTOR WITH 4" INLET AND OUTLETS WILL FLOW 15 GPM AND HAS A 30 LB GREASE CAPACITY. THIS GREASE INTERCEPTOR WILL WORK IN THIS APPLICATION. THE INTERCEPTOR MUST BE INSTALLED PER MANUFACTURERS SPECIFICATIONS AND DOWNSTREAM OF ALL FIXTURES.	4"	-
P-16	HOSE BIBB: SMITH MODEL 550POT, STAINLESS STEEL RECESSED BOX, LOCKING COVER, ANTI-SIPHON, FREEZELESS, AUTOMATIC DRAINING WITH VACUUM BREAKER.	-	1/2"

PLUMBING NOTES

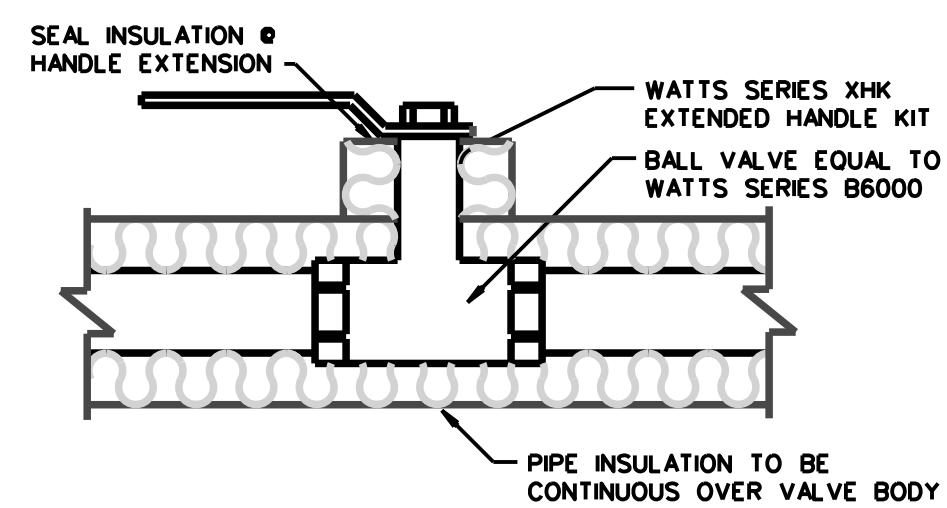
- FIRST 8'-0" OF COLD WATER INLET AND HOT WATER OUTLET PIPING FROM WATER HEATER TO BE INSULATED.
- ALL PLUMBING VENTS TO BE INSTALLED WITH A MINIMUM OF 10'-0" CLEARANCE FROM ALL OUTSIDE AIR INTAKE SYSTEMS ON THE MECHANICAL EQUIPMENT.
- ALL WATER PIPES AT EXTERIOR WALLS SHALL BE INSTALLED ON THE BUILDING SIDE OF THE INSULATION, FURTHER ALL WATER PIPES SHALL BE INSULATED WITH 1" THICK FIBERGLASS INSULATION WITH VAPOR BARRIER JACKET.
- UNDERGROUND WATER MAIN TO BE SCHEDULE 40 PVC PIPE WITH GLUED JOINTS. INSTALL THE PIPING WITH DETECTOR TAPE PER DETAILS ON THE DRAWINGS.
- ADD TO THE DOMESTIC WATER MAIN 50 PPM (PARTS PER MILLION) AVAILABLE CHLORINE. ALLOW THE SOLUTION TO STAND FOR SIX HOURS, THEN FLUSH THOROUGHLY. THE PROCEDURE WILL BE OBSERVED BY THE LOCAL PLUMBING OFFICIAL. COORDINATE SAMPLING OF THE CLEAN WATER WITH THE LOCAL HEALTH DEPARTMENT.
- EQUAL FIXTURES CAN BE SUBMITTED IN PLACE OF SPECIFIED FIXTURES.
- PEX PLUMBING PIPE CAN BE INSTALLED IN PLACE OF COPPER PIPING.
- ROUTE WATER HEATER PAN & RELIEF DRAINS AS NOTED ON FLOOR PLANS.



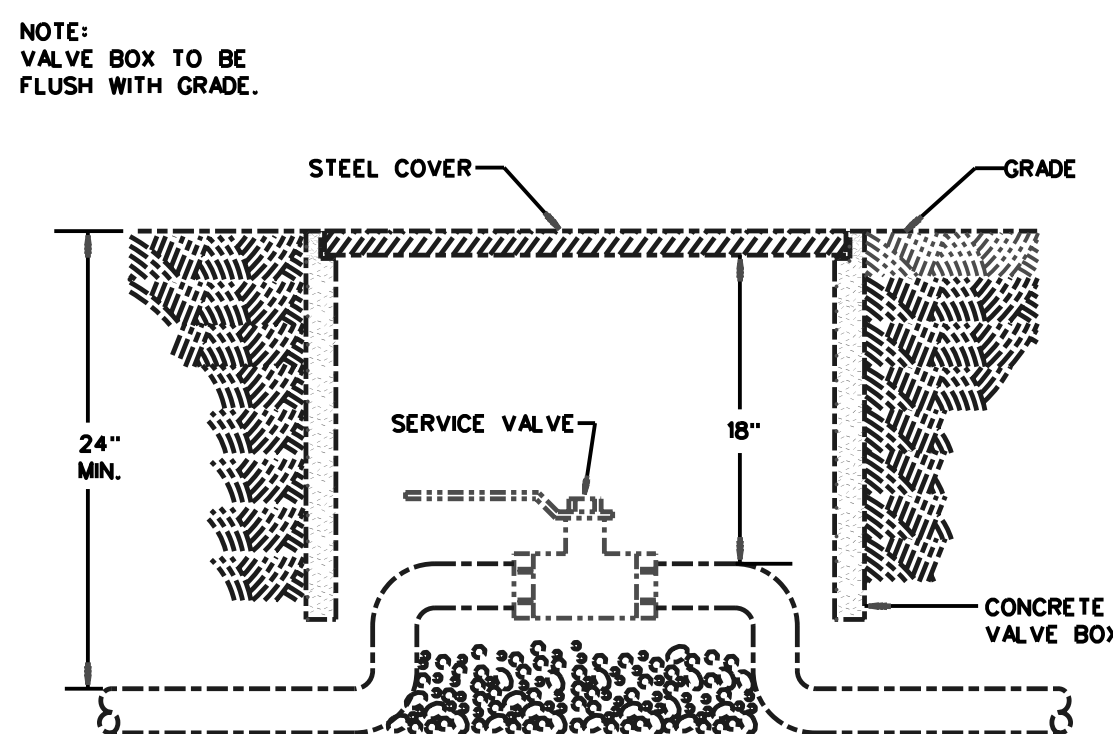
EXTERIOR CLEANOUT DETAIL
NOT TO SCALE



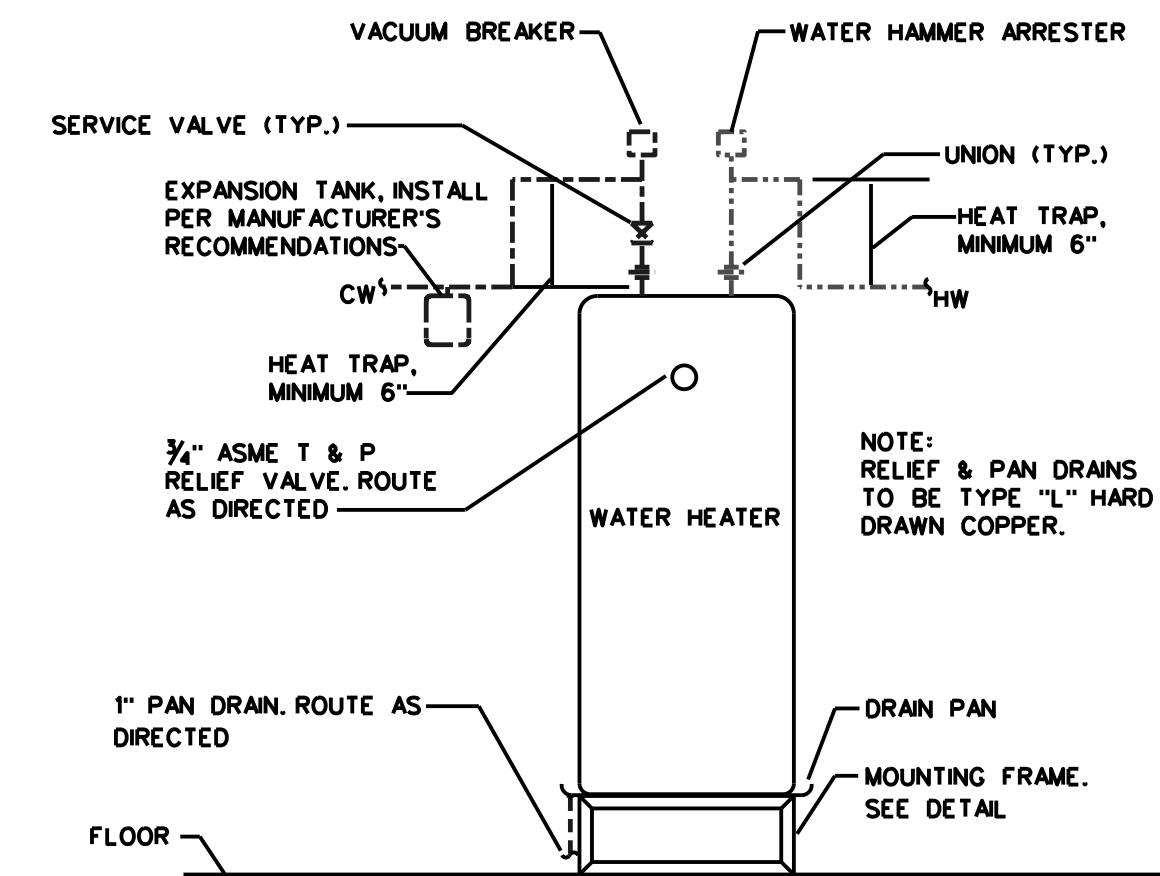
TRAP PRIMER DETAIL
NOT TO SCALE



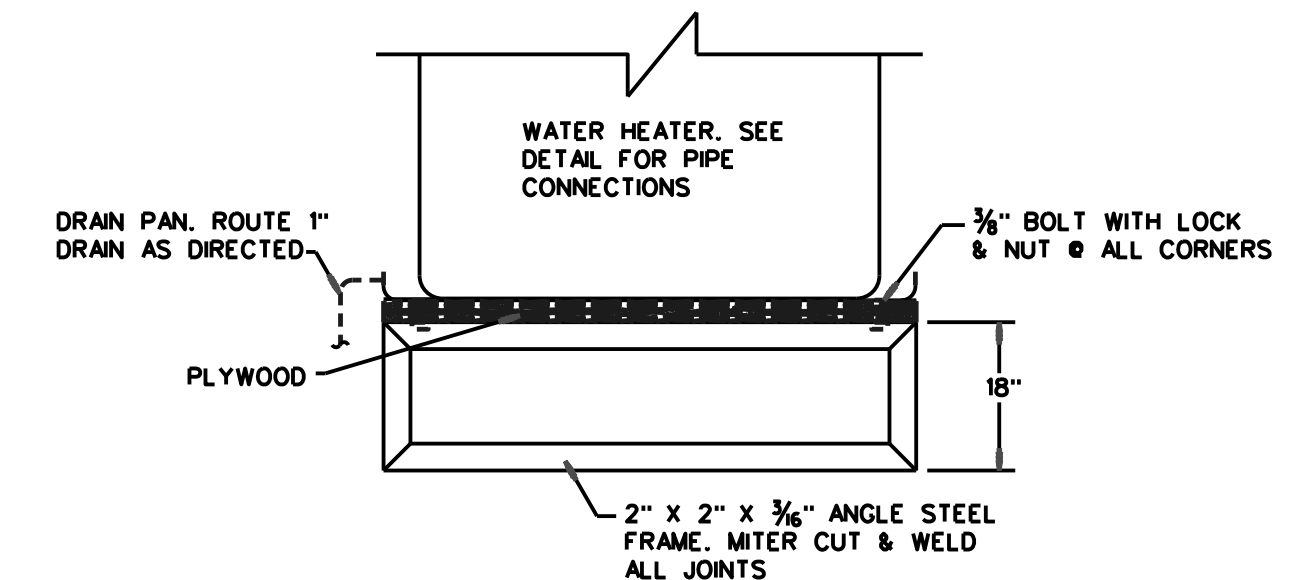
HOT & COLD WATER PIPING
SERVICE VALVE INSTALLATION DETAIL
NOT TO SCALE



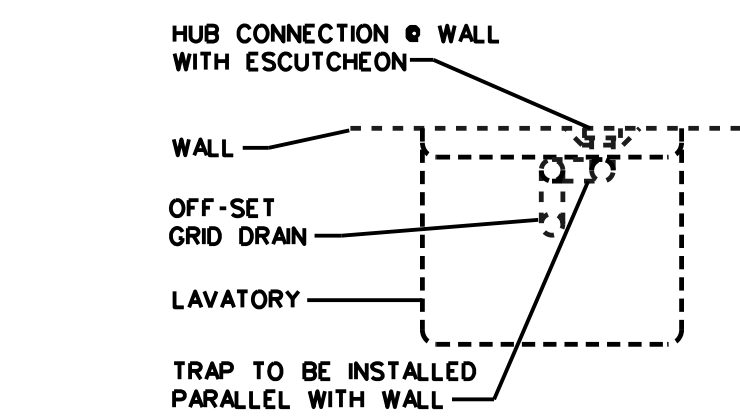
SERVICE VALVE IN VALVE BOX
NOT TO SCALE



WATER HEATER DETAIL
NOT TO SCALE

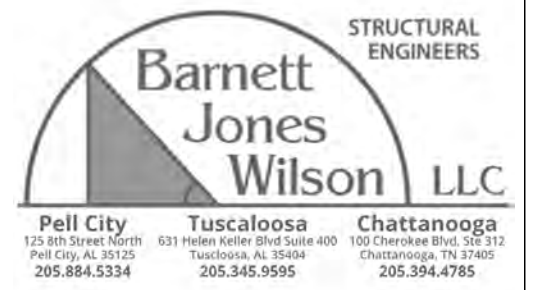


WATER HEATER SUPPORT DETAIL
NOT TO SCALE



HANDICAPPED LAV.
WASTE CONNECTION DETAIL
NOT TO SCALE





GENERAL NOTES

- Any omissions or discrepancies between plans, details, and specifications shall be brought to the attention of the Architect or Engineer before bidding.
- Structural drawings or parts of the structural drawings may not be used as shop drawings without prior written approval.
- All or parts of these drawings were produced with computer aided drafting. Drawings are available from the Engineer in DWG format on request.
- Construction shown is stable after the building is complete including interior and exterior finishes. The Contractor is responsible for temporary bracing of the structure during construction.
- Furnish design calculations sealed by a Professional Engineer licensed in the State of Alabama for all shoring.
- Before starting any construction, verify all existing conditions. Ensure Civil Grades and Structural details do not conflict. Notify design team immediately with any discrepancies.
- Electronic submittal of shop drawings is required. Review of submittal information shall be for general conformance with the contract documents and shall not include checking of detailed dimensions or detailed quantities.

DESIGN LOADS

- Reference code for loading: IBC 2015 & SEI/ASCE7 7-10.
- Building Classification: II
- Wind Load:
 - Basic Wind Speed (3 sec gust): 115 mph
 - Importance Factor: 1.0
 - Wind Exposure: C
 - Internal Pressure Coefficient: varies based on structure
 - Velocity Pressure (qz): 25.90 psf
- Roof Snow Load:
 - Flat Roof Snow Load (P_f): 5 psf
 - Snow Exposure (Ce): 1.0
 - Importance Factor: 1.0
- Seismic Load:
 - Importance Factor: 1.0
 - Mapped Spectral Response Accelerations:
 - Ss: 0.258
 - S1: 0.106
 - Site Class: D
 - Spectral Response Coefficients:
 - Sds: 0.274
 - Sd1: 0.169
 - Seismic Design Category: C
 - Base Seismic-Force-Resisting System(s) and Response Modification Factor:
 - Ordinary Reinforced Masonry Shear Wall: 2
 - Steel Systems Not Specifically Detailed For Seismic: 3
 - Analysis Procedure = Equivalent Lateral Force
- Live Load:
 - Roof Load: 20 psf
 - Slabs on grade: 100 psf
- Fluid Roof Pressure Load:
 - Any low-roof area design for secondary drain height of 2" above roof: 5.2psf/in x 2' = 10.4psf

FOUNDATIONS

- Foundation design for this project was based on assumed soil conditions. Information for design of foundations has not been provided by the Owner.
- Assumed bearing value of soil: 1500 psf
- All footings are to bear on undisturbed soil or engineered fill.
- Provide 3'-0" long top steel reinforcing, same size as bottom steel, at transitions between engineered fill and undisturbed soil locations.
- Install corner bars at all footing intersections and corners (Provide lap length e.w.)
- Step all footings where necessary to provide a minimum of 1'-0" below the finish grade.
- All footing elevations are given to the top of the footings.
- Footing steps shown on the plans are furnished as a guide for estimating quantities. Final elevations are to be set in the field. Bearing elevations must be approved by a Soils Engineer before any concrete is placed.
- Coordinate foundation elevations with plumbing requirements. Step footings as required to clear plumbing lines.
- Provide drainage for all retaining walls, see architectural for notes and details.

REINFORCING STEEL AND CONCRETE

- All concrete work is to be in accordance with the "Building Code Requirements for Reinforced Concrete" (ACI 318-14).
- All detailing is to be in accordance with "ACI Detailing Manual" SP-66
- Concrete Properties: See Schedule.
 - All concrete must obtain 7 day strength of 70% of design strength.
 - Concrete mixes may use up to 25% of cementitious weight as fly ash.
 - Concrete mixes may use water reducers, accelerators or retarders with prior approval.
 - Do not provide air entrainment in concrete mixes for interior slabs.
- All steel reinforcement shall be of deformed bars of billet steel conforming to ASTM A615, Grade 60 in all concrete.
 - Welded wire fabric shall be ASTM 185 and shall lap 2 cross wires or 6" whichever is greater on all sides. All laps shall be wired together.
 - Provide (2) #4 bars x 4'-0" at re-entrant corner locations Typical. Locate 3" away from corner and space 1'-0" apart.
 - All slabs on grade are 4" unless noted. Slabs are to be placed on 10 Mil. PVC vapor barrier over 4" of porous material compacted to a minimum of 95% compaction and +/- 3% optimum moisture based on ASTM D 698, unless otherwise noted in construction documents or geotechnical report. Reinforce slabs with 6x6 W1.4 x W1.4 WWF placed 1" from top of slab. Unless otherwise noted slabs shall have joints placed a 12'-0" on centers & layout length to width ratio is not to exceed 1.5:1. Joints may be control joints or construction joints. See Architectural Plans for floor slopes and recesses for hard tile.
- Minimum concrete cover for reinforcement:
 - Columns & Piers: 1 1/2" outside of ties
 - Footings: 3"
 - Grade Beams:
 - Surfaces exposed to weather or soil: 2" - #6 and greater, 1-1/2" - #5 and smaller
- Provide corner bars at all wall and footing intersections.
- Contractor shall include an allowance of \$2500 reinforcing steel in place in addition to the steel shown on the contract documents in the base bid. This steel is to be placed at no additional cost to the Owner in sizes and at locations as directed by the Architect or Engineer. Unused steel will be credited to the Owner.
- No openings shall be allowed to penetrate any concrete work, unless it is shown on the structural framing plans without prior written approval. Contractor shall submit for review locations of proposed openings not shown 30 days prior to pouring any concrete.
- Provide a continuous water bar at all wall construction joints below ground level.
- Use 3/4" chamfer for all exposed corners unless noted.

STRUCTURAL STEEL

- All detailing, fabricating, and erection of structural steel shall be in accordance with the AISC 360-10 "Specifications for Structural Steel Buildings" and AWS-D1.1 "Structural Welding Code - Steel". All reactions shown are ASD loads.
- All connections are to be detailed as Type 2 "simple frame connections".
- All structural steel W shapes shall be ASTM A992.
- All structural steel Tube sections shall be ASTM A500 Grade C.
- All structural steel Pipe sections shall be ASTM A501.
- All structural steel channels, angles and other sections shall be ASTM A36, unless noted.
- Headed Studs shall be Type B Shear Connectors.
- Shop and field connections shall be welded with E-70XX electrodes or bolted with 3/4" dia. A-325N or A-325X bolts, unless noted.
- Use 3/4" cap and bearing plates, unless noted.
- Use 3/4" dia x 1'-0" long ASTM 1554 Grade 36 anchor bolts, unless noted. In lieu of cast bolts, 3/4"x1'-0" long HAS rods epoxied with Hilti HVA epoxy, or equal, may be used with prior approval.
- Grout under baseplates with 6000 psi Non-Shrink Grout.
- Provide L 3"x3"x1/4" frames around all roof openings through metal decking.
- Provide L 3"x3"x1/4" continuous perimeter deck angle around all deck, unless noted otherwise.
- Provide design calculations for connections other than standard frame or seat connections.
- Structural steel shall be shop primed per SSPC paint system No. 7. Primer shall be SSPC paint with a minimum thickness of 2.0 MILS. Omit Paint at surfaces to be fireproofed.
- If steel sizes do not meet specified U.L. listing (See Arch). Thickness of Fire Protections shall be increased as required.
- All steel exposed to weather shall be hot dipped galvanized per ASTM A123.
- All steel exposed to earth shall receive bitumen coating.
- Contractor shall include an allowance of \$3000 structural steel in place in addition to the steel shown on the contract documents in the base bid. This steel is to be placed at no additional cost to the Owner in sizes and at locations as directed by the Architect or Engineer. Unused steel will be credited to the Owner.
- Contractor shall include an allowance of 100 lineal feet of L 3"x3"x1/4" angle in place in addition to the steel shown on the contract documents in the base bid.
- Stairs, handrails, guardrails and other miscellaneous steel items not specifically detailed on these drawings are the responsibility of the contractor.

MASONRY

- All masonry work to be in accordance with "Building Code Requirements for Concrete Masonry Structures" ACI 530-13 and "Specifications for Masonry Structures" ACI 530.1-13
- Fill all concrete masonry units with concrete or grout from the top of the footing to the finish floor or to 8" above finish grade whichever is higher.
- Use truss type joint reinforcement (Dur-O-Wall SW DA3100 or better) at 16" o.c. in all masonry walls.
- Provide joint reinforcement at 8" o.c. for all walls constructed with stack bond.
- Use Type "M" or Type "S" mortar in accordance with IBC Table 2103.7(1).
- Minimum compressive strength of concrete masonry f_m = 2000 psi in accordance with the unit strength method and TMS 402/602.
- Minimum compressive strength of grout f_c = 2000 psi. Use 3/8" max size aggregate. See Special Inspection Schedule for any testing requirements. Grout slump shall be 8" to 11".
- Use "Fine" grout for all reinforced piers and reinforced wall in accordance with ASTM C 476.
- Each grout lift shall not exceed 5'-0" unless cleanouts are provided in the bottom course.
- Fill cells under all lintels with grout.
- Provide lintels over all openings through wall. See lintel details for reinforcement.
- Unless otherwise noted provide control joints in all walls 4'-0" from wall intersections or corners and at 20'-0" o.c.
- Provide continuous bond beam at 8'-0" o.c. vertical spacing TYP
- Extend all horizontal steel and bond beams thru control joints.
- Vertical Reinforcement shall extend into the bond beam and have ACI standard 90° degree hook.
- Unless noted, all bars are to be located at the center of cell. Where bars are specified at each face, provide minimum 3/4" clear space between reinforcement and CMU face shell.
- Anchor bolt into grouted cell locations only, unless noted otherwise.
- Non Load Bearing Interior CMU walls shall be reinforced with minimum #4 bars in fully grouted cells @ 4'-0" o.c. Provide Bond Beam at top of wall. Brace top of wall to roof structure with rigid bracing @ 8'-0" o.c. Alternate each direction

WOOD (STRUCTURAL)

- All horizontal framing shall be #2KD SYP or approved equal.
- All vertical framing shall be Spruce-Pine-Fir, #2.
- All wood exposed to weather or in contact with CMU or concrete shall be pressure treated in accordance with American Wood Preserves Association Manual of Recommended Practice.
- All fasteners and nails in contact with pressure treated lumber to be stainless steel Type 304. Submit all alternates for approval.
- Wood roof decking shall be 5/8" APA rated sheathing, Exposure 1. Provide pyclops at all roof sheathing connectors, unless noted otherwise.
- Floor and roof sheathing shall be nailed with 8d rinksnkank nails at 6" o.c.
- All bolts connecting horizontal sill plates to concrete, masonry, or steel shall have minimum 0.229"x3"x3" flat washers.
- Provide minimum of 2"x6" top and bottom chord for all truss members.
- Furnish design calculations sealed by a Professional Engineer licensed in the State of Alabama for all truss members.
- Truss connections to walls and framing shall be Designed and Specified by Truss Supplier.

EPOXY AND MECHANICAL ANCHORS

- All anchors shall be installed per manufacturer's instructions.
- Contractor must get pre-approval from engineer-of-record before using post-installed epoxy or mechanical anchors not detailed in these drawings.

TESTING

- The owner will provide testing and special inspection under a separate contract. See the schedule of special inspections on this page.

SCHEDULE OF SPECIAL INSPECTIONS

Section Title	Inspection/Test/Certification	C or P	Extent/Comments
Soils	Verify assumed bearing capacities and determine settlements of soils beneath footings and building pad.	Periodic	As noted on the drawings, recommended by the geotechnical engineer, and specified in earthwork specifications.
Concrete Construction	Sample all concrete for strength tests and test concrete for slump, air content, temperature, and other tests.	Continuous	During placement operations. Reference concrete specifications for specific tests and frequencies.
Concrete Construction	Verify sawed joints in slabs on grade are completed within 4 hours of the final set of the concrete	Continuous	
Masonry	Masonry foundation walls are excluded from inspections listed below.		
Masonry	Inspect proportions of site prepared mortar and grout. Inspect construction of mortar joints. Inspect reinforcement for correct size and spacing. Inspect work for correct location and type of embeds and anchor bolts. Inspect work for size and location of structural elements.	Periodic	At beginning of masonry construction and every 1000 square feet of masonry thereafter.
Masonry	Inspect masonry cells and cleanouts prior to placement of grout. Inspect grout proportions. Inspect placement of reinforcement.	Periodic	Prior to grouting of masonry.
Masonry	Inspect grouting operations to ensure compliance with code and construction documents.	Continuous	During grouting.
Masonry	Inspect proportions of site prepared mortar and grout. Inspect placement of masonry units and construction of mortar joints. Inspect reinforcement for correct size and spacing. Inspect work for correct size and location of structural elements.	Periodic	At beginning of masonry construction and every 1000 square feet of masonry thereafter.
Masonry	Inspect masonry cells and cleanouts prior to placement of grout. Inspect placement of all grout.	Continuous	During grouting.
Masonry	Inspect protection of masonry during cold weather and hot weather.	Periodic	During periods with temperatures below 40 degrees or above 90 degrees.
Steel Construction	Steel Construction		
	Tasks Prior to Welding		
	Welding procedure specifications (WPS) available	Perform	
	Manufacturer certifications for welding consumables available	Perform	
	Material identification (type/grade)	Observe	
	Welder identification system	Observe	The fabricator or erector, as applicable, shall maintain a system by which a welder who has welded a joint or member can be identified. Stamps, if used, shall be the low-stress type.
	Fit-up of groove welds (including joint geometry); joint preparation, dimensions (alignment, root opening, root face, bevel), cleanliness (condition of steel surfaces), tacking (tack weld quality and location), backing type and fit	Observe	
	Configuration and finish of access holes	Observe	
	Fit-up of fillet welds; dimensions (alignment, gaps at root), cleanliness (condition of steel surfaces), tacking (tack weld quality and location)	Observe	
	Check welding equipment	As needed	
	Tasks During Welding		
	Use of qualified welders	Observe	
	Control and handling of welding consumables; packing, exposure control	Observe	
	No welding over cracked tack welds	Observe	
	Environmental conditions: wind speed limits, precipitation and temperature	Observe	
	WPS followed; settings on welding equipment, travel speed, selected welding materials, shielding gas type/flow rate, preheat applied, interpass temperature maintained (min/max), proper position (F.V.H.OH)	Observe	
	Welding techniques; interpass and final cleaning, each pass within profile limitations, each pass meets quality requirements	Observe	
	Tasks After Welding		
	Welds cleaned	Observe	
	Size, length and location of welds	Perform	
	Welds meet visual acceptance criteria; crack prohibition, weld/base-metal fusion, crater cross section, weld profiles, weld size, undercut, porosity	Perform and Document	
	Tasks During Bolting		
	Fastener assemblies, of suitable condition, placed in all holes and washers (if required) are positioned as required	Observe	
	Joint brought to the snug-tight condition prior to the pretensioning operation	Observe	
	Fastener component not turned by the wrench prevented from rotating	Observe	
	Fasteners are pretensioned in accordance with the RSCS Specification, progressing systematically from the most rigid point toward the free edges	Observe	
	Tasks After Bolting		
	Inspect that all parts of the assembly have full contact and the bolts are tensioned to a minimum snug-tight connection. Hand tightening using a spud wrench.	Perform	Snug-tight connections only.
	Document acceptance or rejection of bolted connections	Perform	
Wood Construction	Inspect fabricated wood trusses and shop built components.	Periodic	Inspect truss production in shop unless fabricator is approved by building official and submits certification of compliance at end of scope of work. Inspect 10% of trusses. Inspect 100% of trusses if discrepancies are observed.
Wind-Force Resisting System	Roof Framing Connections	Periodic	

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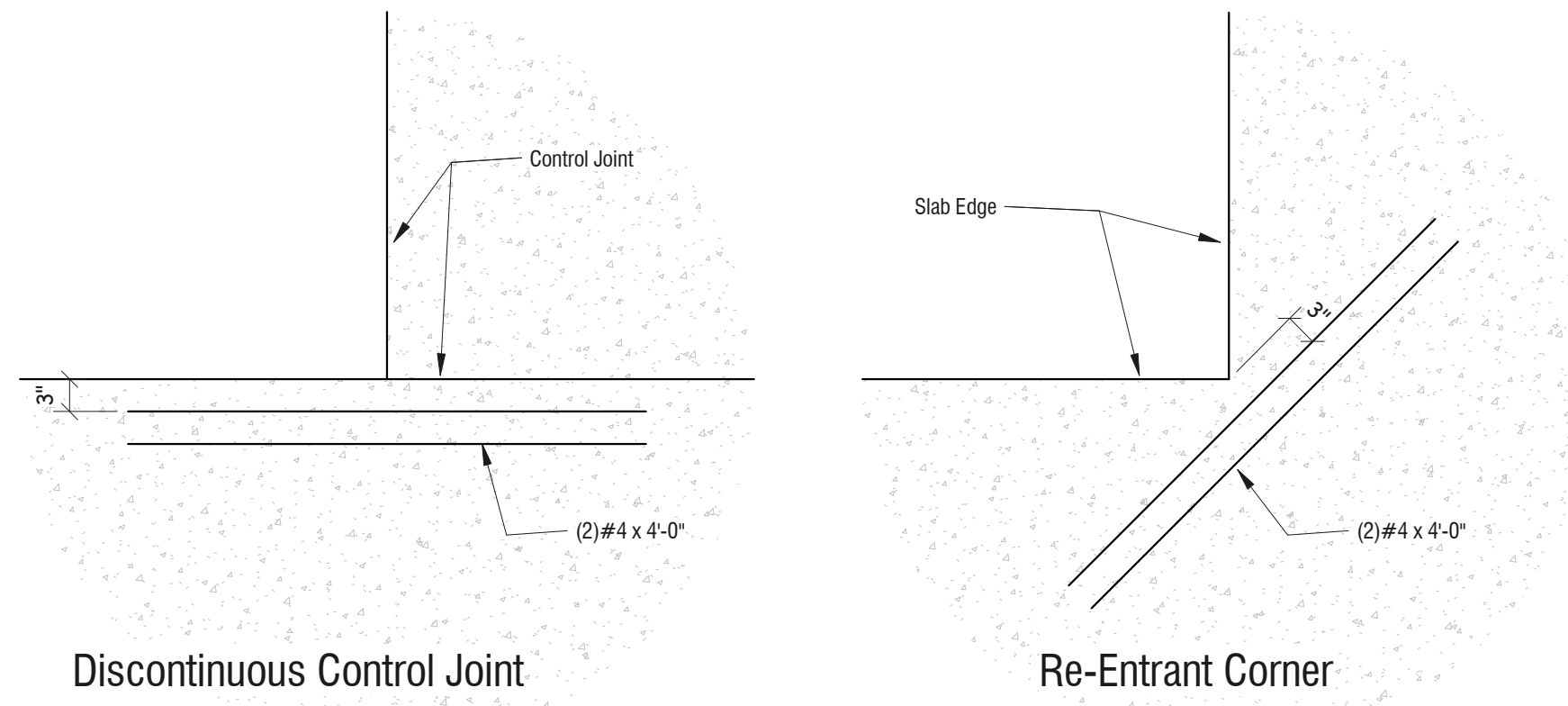


General Notes and Typical Details

SCALE: AS SHOWN
 DATE: 11/05/2021
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REVISION - SHEET NUMBER			
Sheet Number	Sheet Name	Current Revision	Current Revision Description
S0.0	General Notes and Typical Details		
S0.1	Typical Details		
S0.2	Typical Details		
S1.1	Dugout Plans & Sections		
S2.1	Existing Press Box Plans		
S5.1	Existing Press Box Sections		

PROJECT NO: 2020C
 S0.0
 SHEET NO.

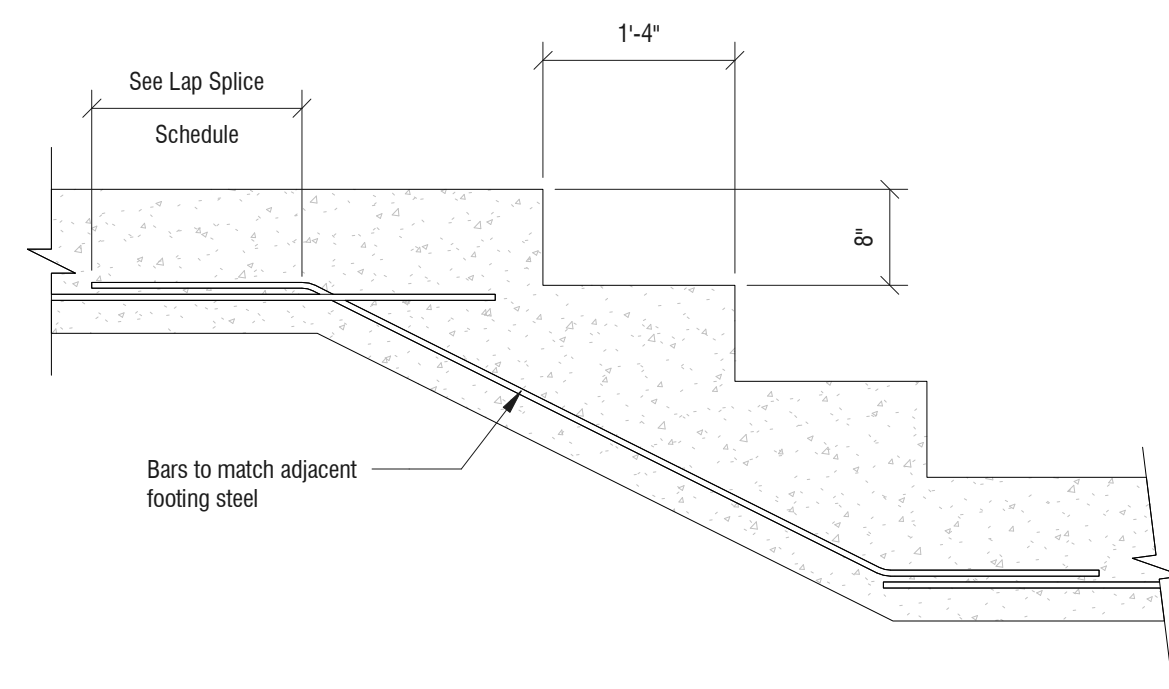


Discontinuous Control Joint

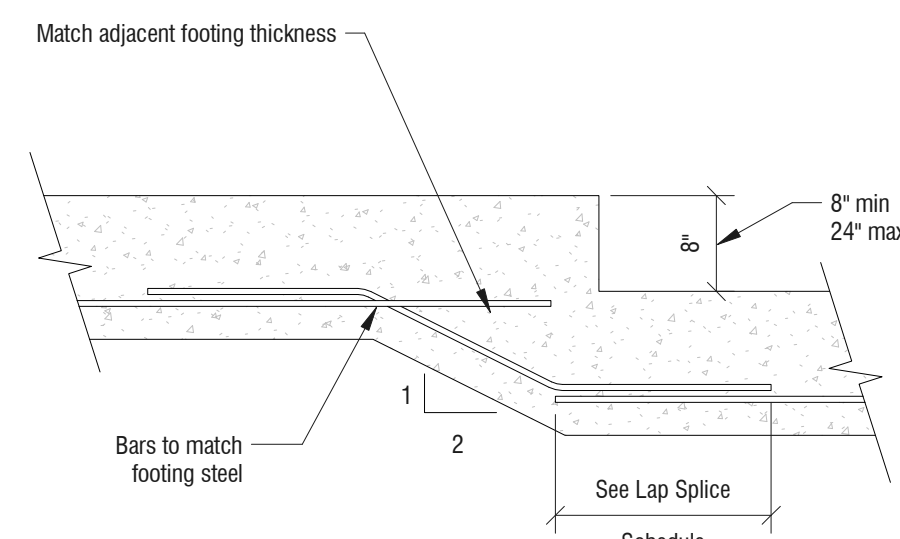
Re-Entrant Corner

Typical Slab on Grade Supplemental Rebar Details

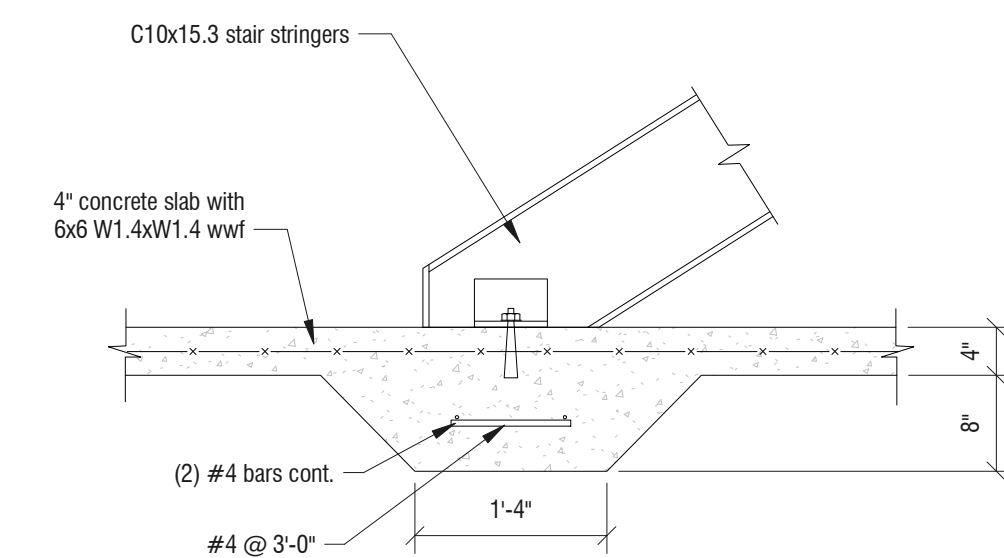
Note: Where re-entrant corners are intersected in both directions by control joints, (2) #4 bars are not required.



Multiple Footing Step

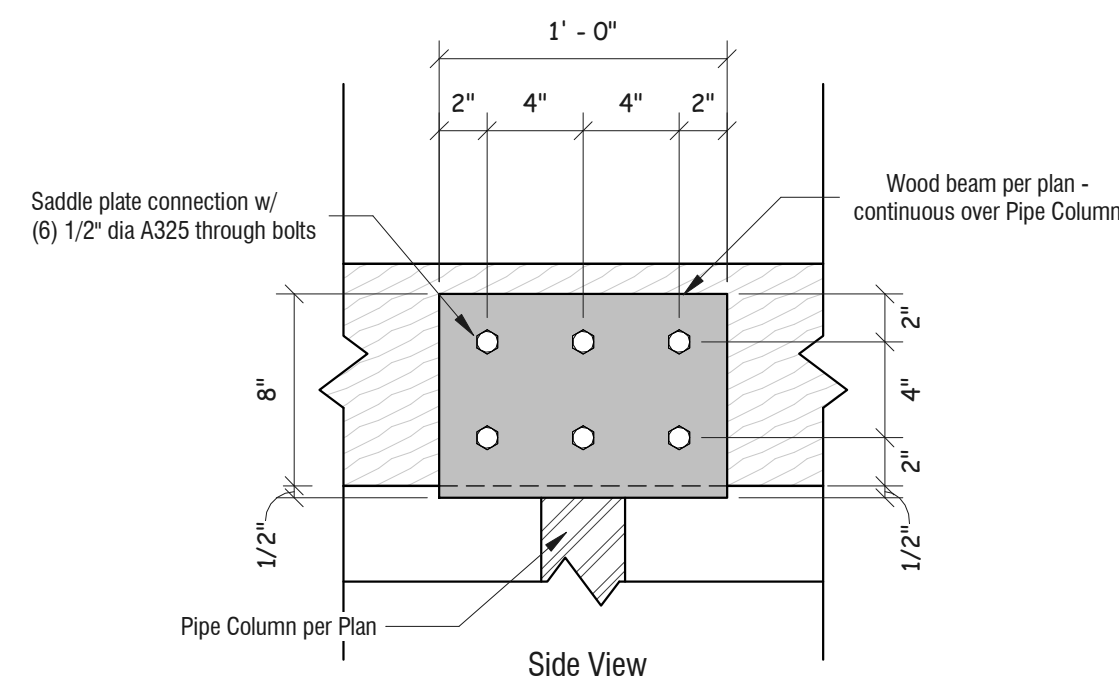


Single Footing Step

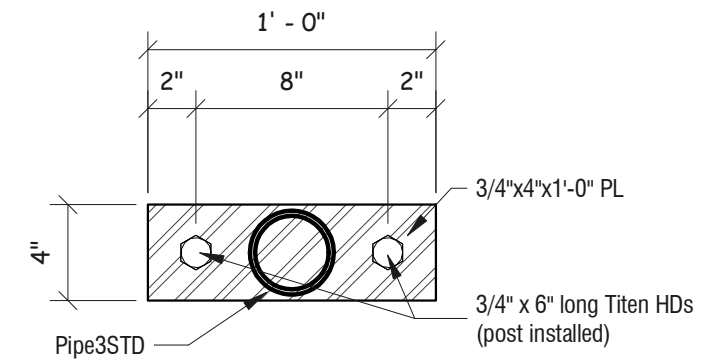
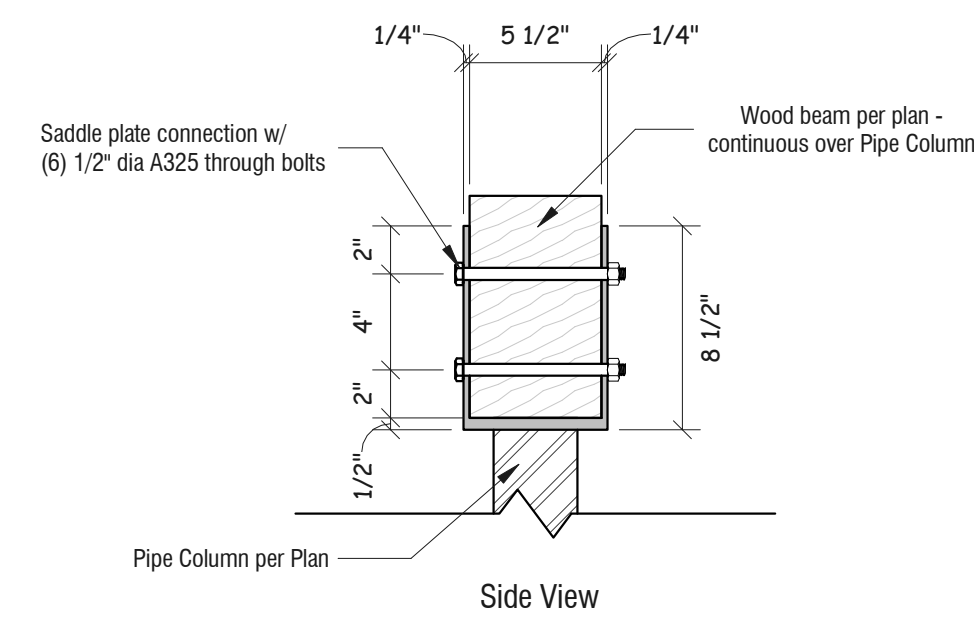


Typical Thickened Slab At Stair Stringers

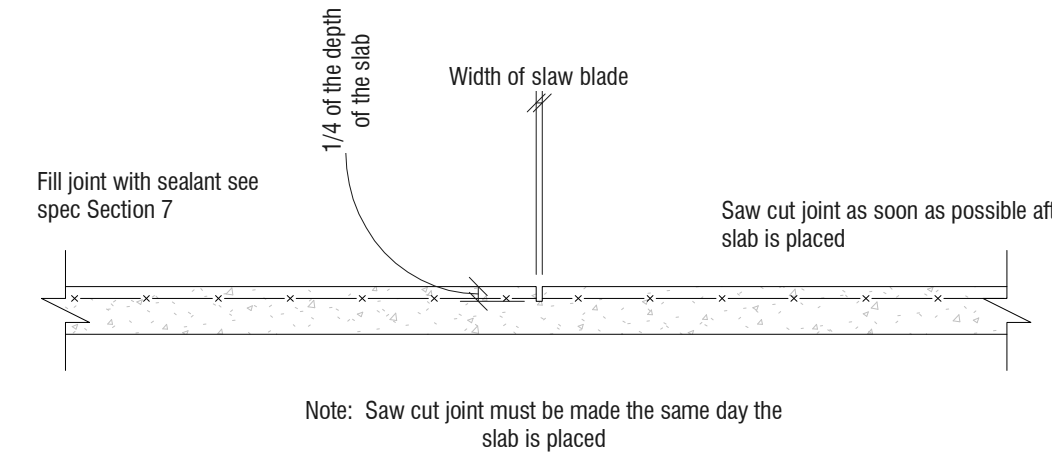
Note: The footing and reinforcing illustrated in this detail are of the minimum required. Larger footing may be required due to proximity of structural columns. See plan.



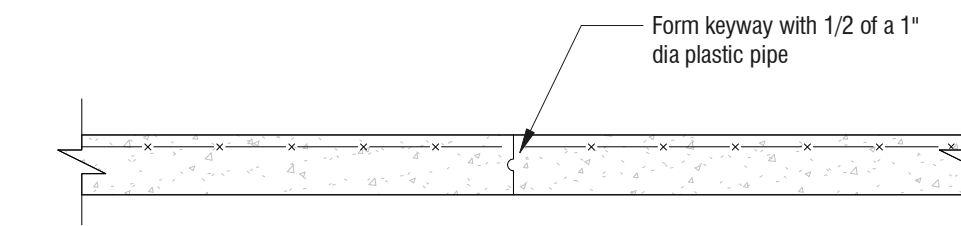
Typical Saddle Plate



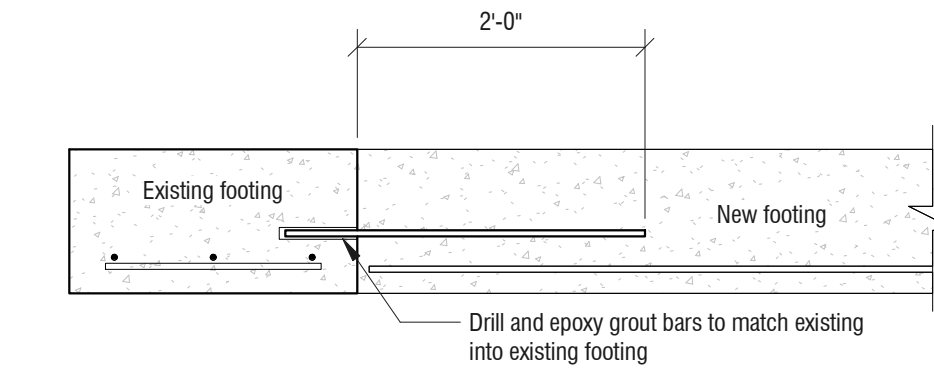
Typical Base Plate



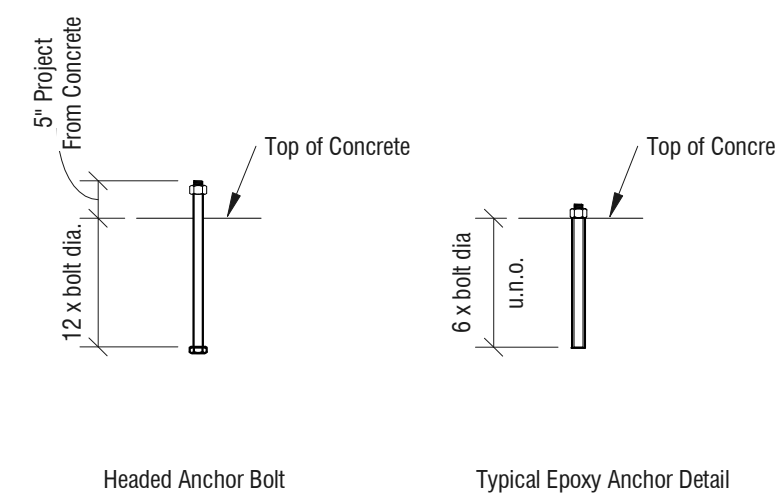
Typical Control Joint



Typical Construction Joint

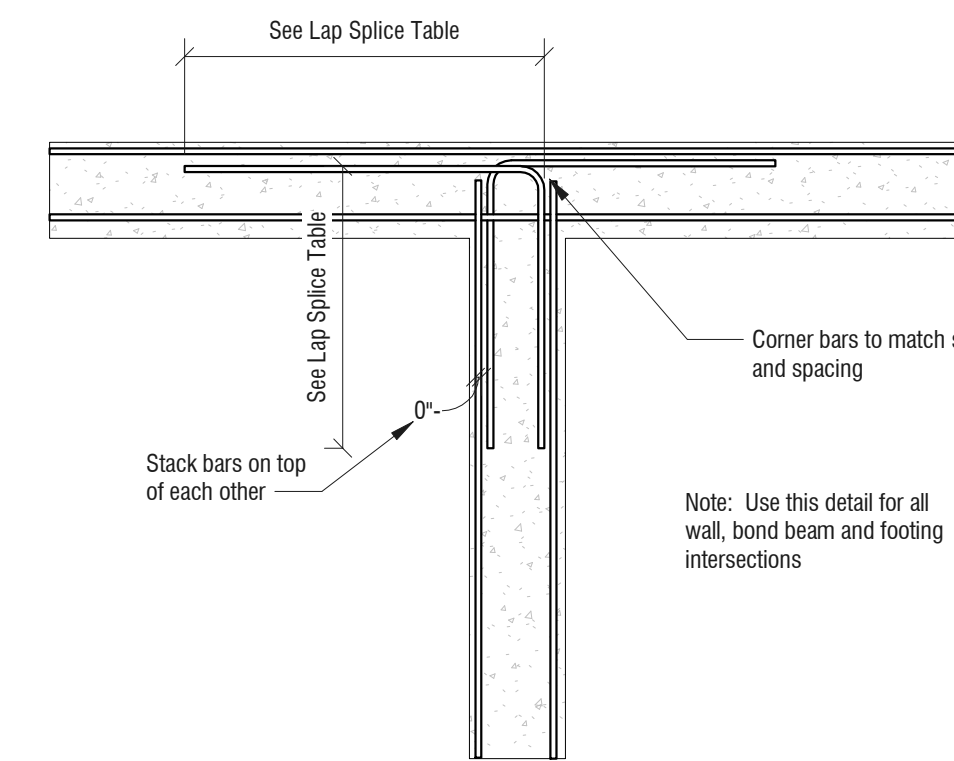


Typical New Footing to Existing Footing Details

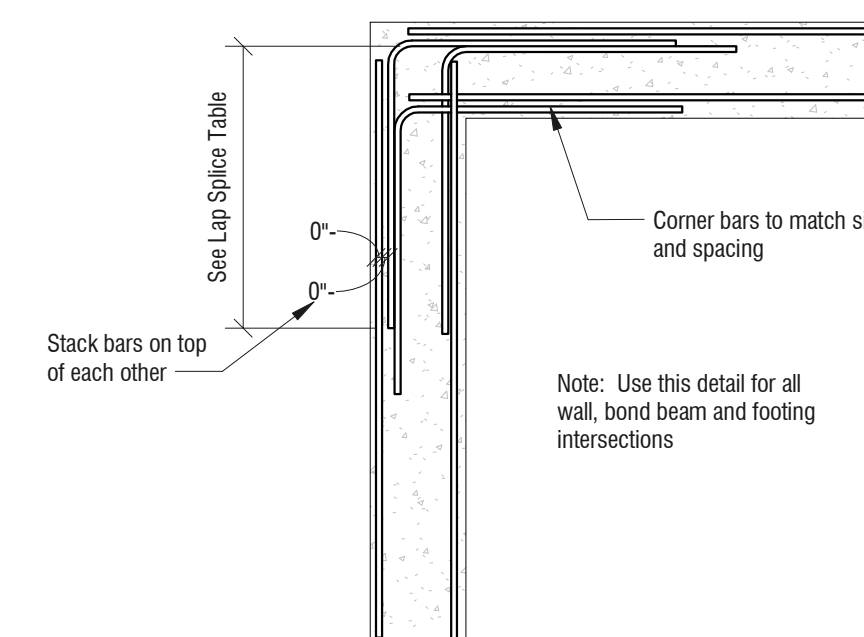


Typical Anchor Bolt Detail

Notes:
Headed Anchor Bolts shall be used for all columns supporting only roof members.
Headed Anchor bolts may be used for all connections.



Typical Grade Beam Footing Reinforcing at Intersections



Typical Grade Beam or Footing Reinforcing at Corners

ESTIMATED GRADE BEAM SCHEDULE			
Type	Length	Volume	
8"x8" Slab Turndown w/ (2) #4 bars cont	12'	0 CY	
12"x24" Grade Beam w/ (2) #5 bars cont top & bott w/ #3 stirrups @ 12" o.c.	428'	47 CY	
	442'	47 CY	

ESTIMATED STRIP FOOTING SCHEDULE					
Type	Width	Thickness	Reinforcing	Estimate of Length	Volume
W18	1'-6"	1'-0"	(3)#4 bars cont w/ #4 bars @ 24" o.c. Short	82'	115 CF
W24	2'-0"	1'-0"	(3)#4 bars cont w/ #4 bars @ 24" o.c. Short	203'	377 CF
W36	3'-0"	1'-0"	(4)#4 bars cont w/ #4 bars @ 24" o.c. Short	70'	207 CF
				355'	700 CF

ESTIMATED SPREAD FOOTING SCHEDULE						
Estimated Number Required	Type	Width	Length	Thickness	Reinforcing	Volume
32	F36	3'-0"	3'-0"	1'-0"	(4) #4 bars e.w.	11 CY
2	F60	5'-0"	5'-0"	1'-0"	(5) #5 bars e.w.	2 CY
6	F84	7'-0"	7'-0"	1'-5"	(6) #6 bars e.w.	15 CY
						28 CY

CONCRETE SCHEDULE						
Concrete Use	Design Strength	Max W/C Ratio	Slump Limits	Entrained Air Range	Weight	Notes
Column Piers	4000 psi	n/a	6" to 8"	3% to 5%	150 pcf	Use HRWR
Grade Beams	4000 psi	n/a	6" to 8"	3% to 5%	150 pcf	Use HRWR
Slabs on Grade	4000 psi	n/a	6" to 8"	3% to 5%	150 pcf	Use HRWR
Spread & Strip Footings	3000 psi	n/a	3" to 5"	3% to 5%	150 pcf	-

Reinforcing Steel Lap Splice Lengths				
Bar Size	Column Splices	Bm, Ftg & Wall Splices Top Bars	Other Bars	CMU Wall Splices
# 3	12"	19"	15"	18"
# 4	15"	25"	19"	24"
# 5	19"	31"	24"	30"
# 6	23"	37"	29"	36"
# 7	26"	54"	42"	42"
# 8	30"	62"	48"	48"
# 9	34"	70"	54"	54"
# 10	38"	79"	61"	60"
# 11	42"	87"	67"	66"

Notes:
1. Top bars are any horizontal reinforcing steel that has another layer of steel more than 2" below the bars or reinforcing steel that has more than 12" of concrete below the bars.
2. All horizontal reinforcing bars in walls may be detailed as "Other Bars".
3. All corner bars may be detailed as "Other Bars".

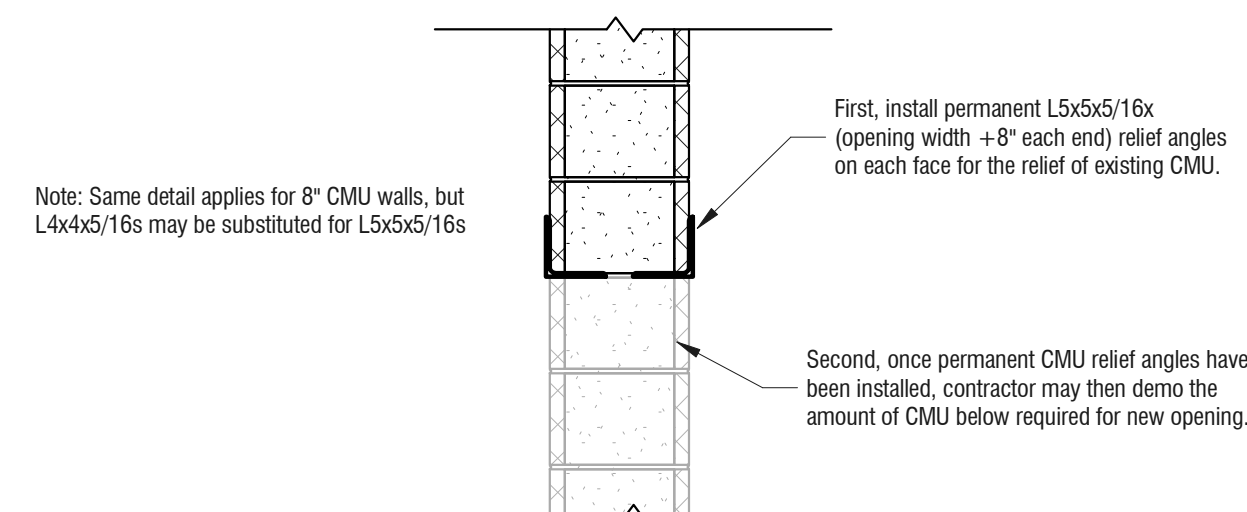


Typical Details

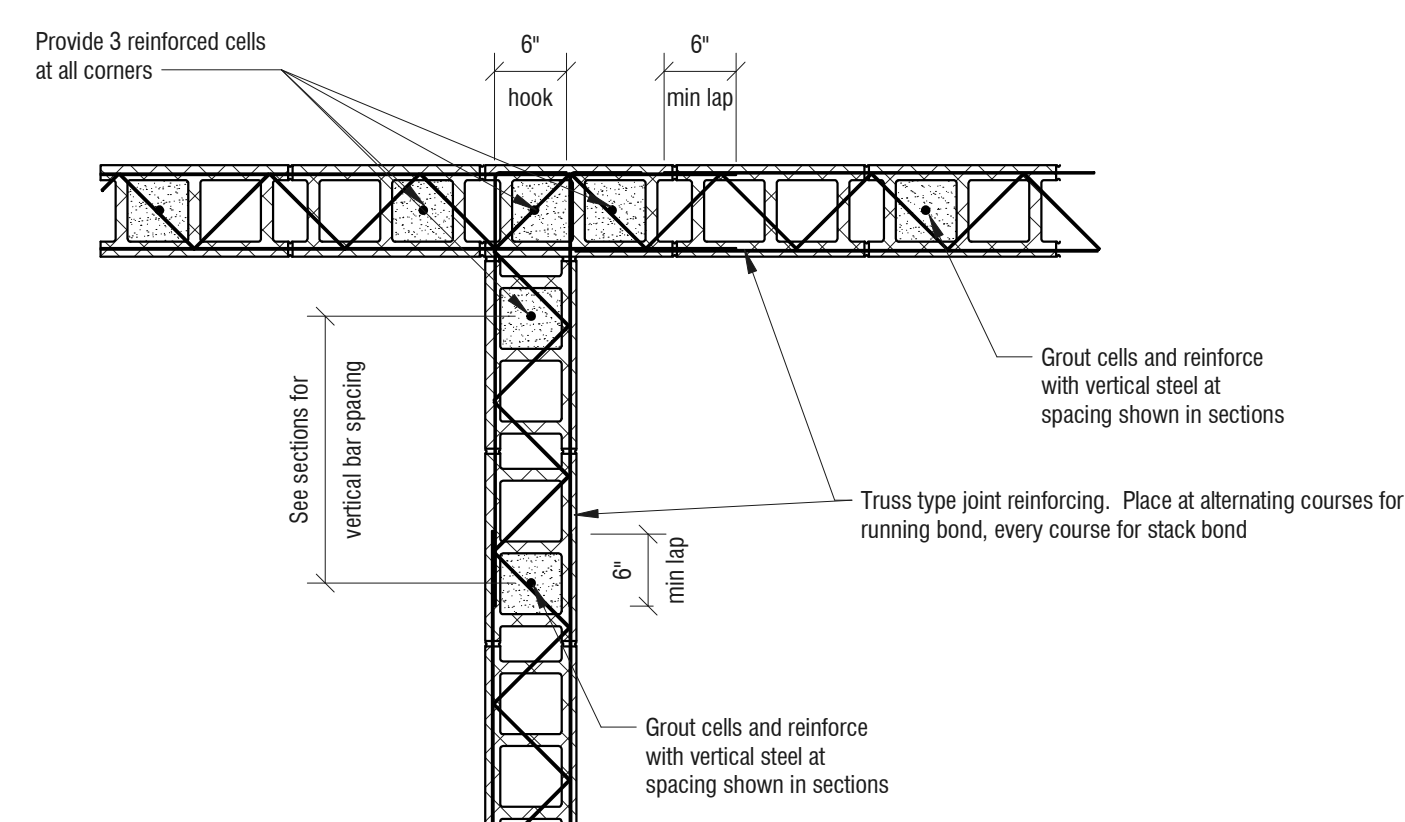
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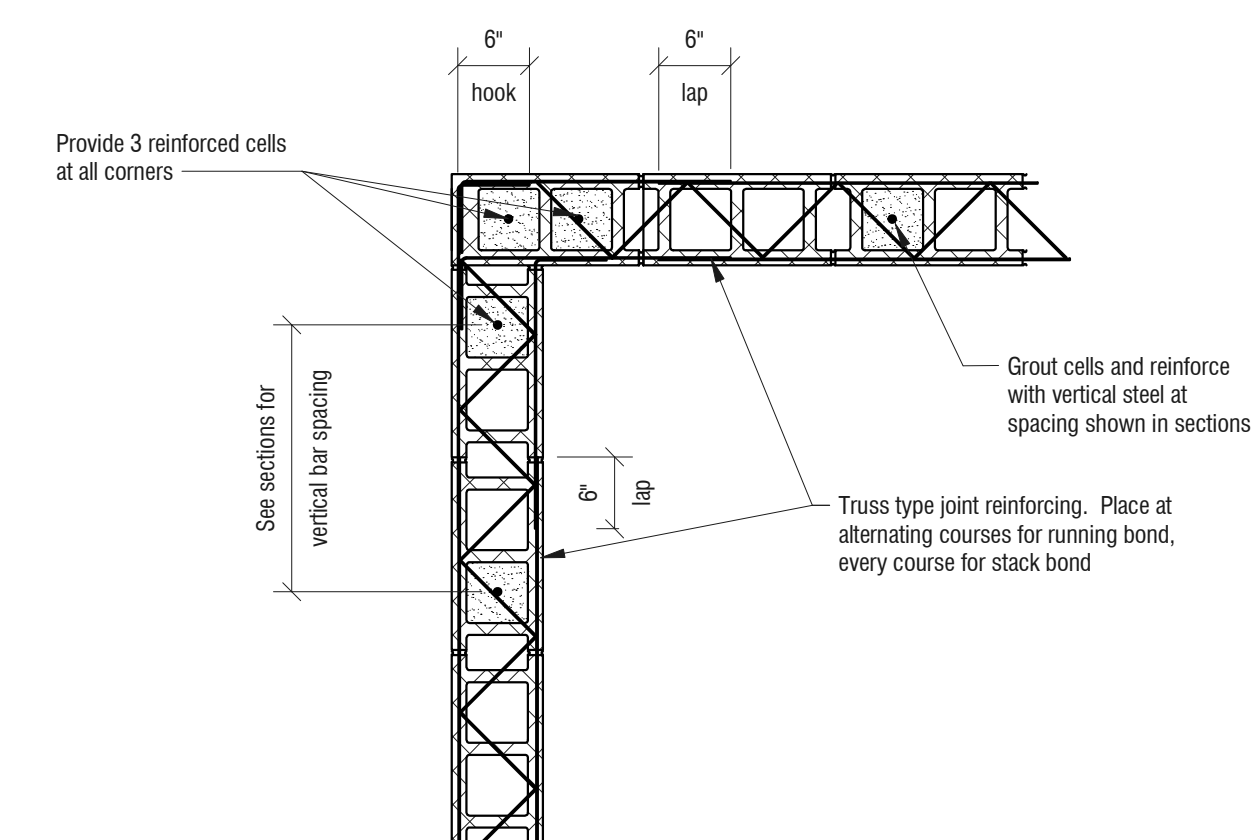
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SHEET NO.



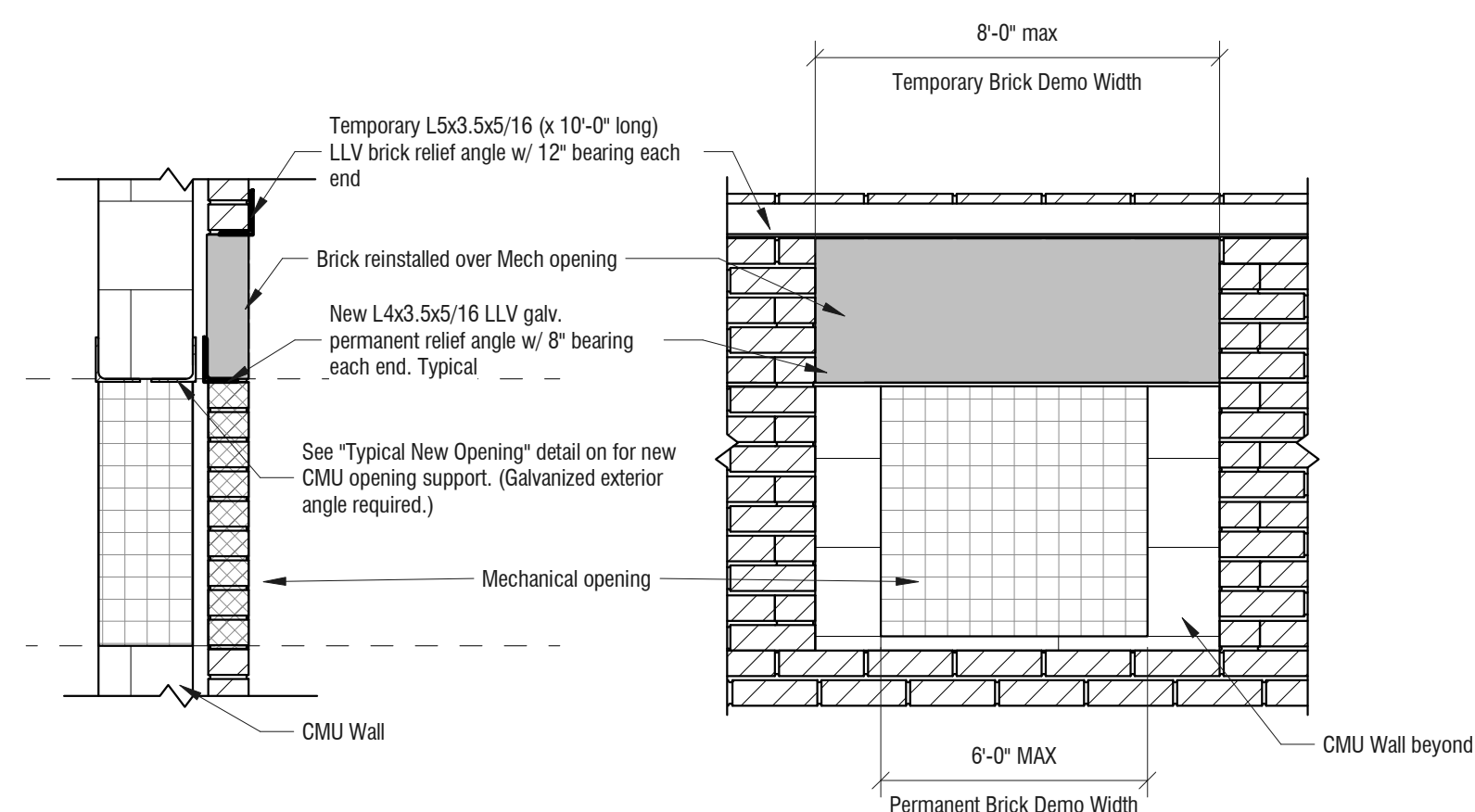
Typical New Opening in Existing Masonry Wall For 6'-0" MAX Opening Width



Typical Joint Reinforcing at Intersection

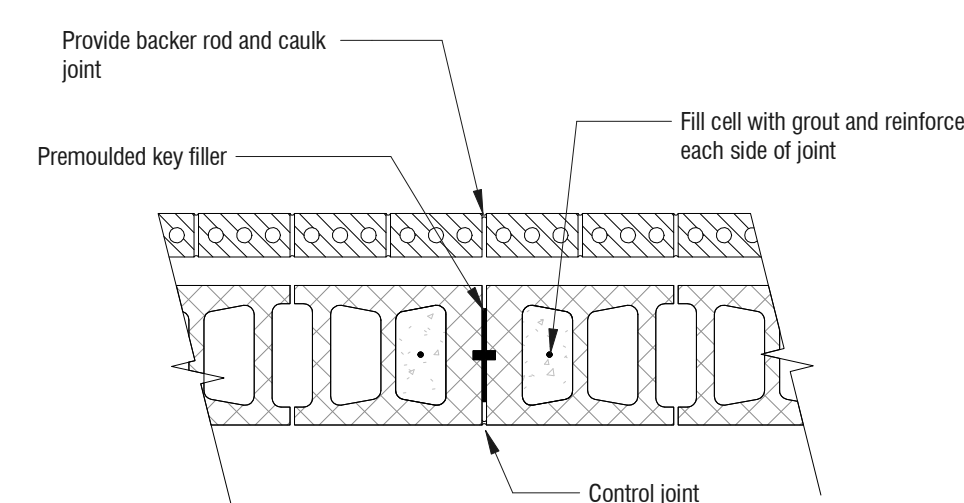


Typical Joint Reinforcing at Corner



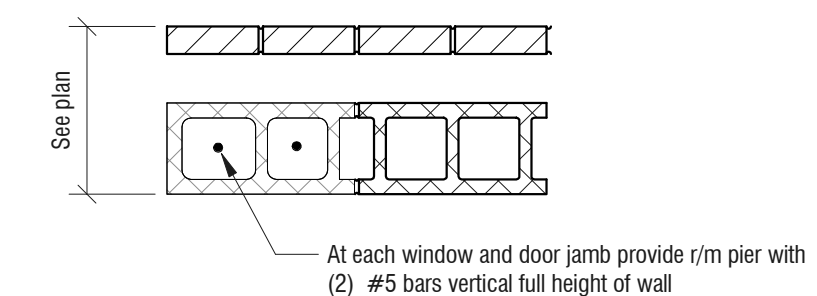
Typical 6'-0" MAX Opening in Exterior CMU Wall

- Notes:
1. Install 5'-0" long temporary brick relief angle for 3'-0" wide permanent opening, or similarly a 10'-0" long temporary relief angle for a 6'-0" wide permanent opening.
 2. Demo brick to reveal wall beyond.
 3. Follow "Typical New Opening" detail
 4. Refill brick if necessary. See Arch.
 5. Galvanize exterior wall relief steel and brick lintels. Refer to Arch for finishing requirements TYPICAL.

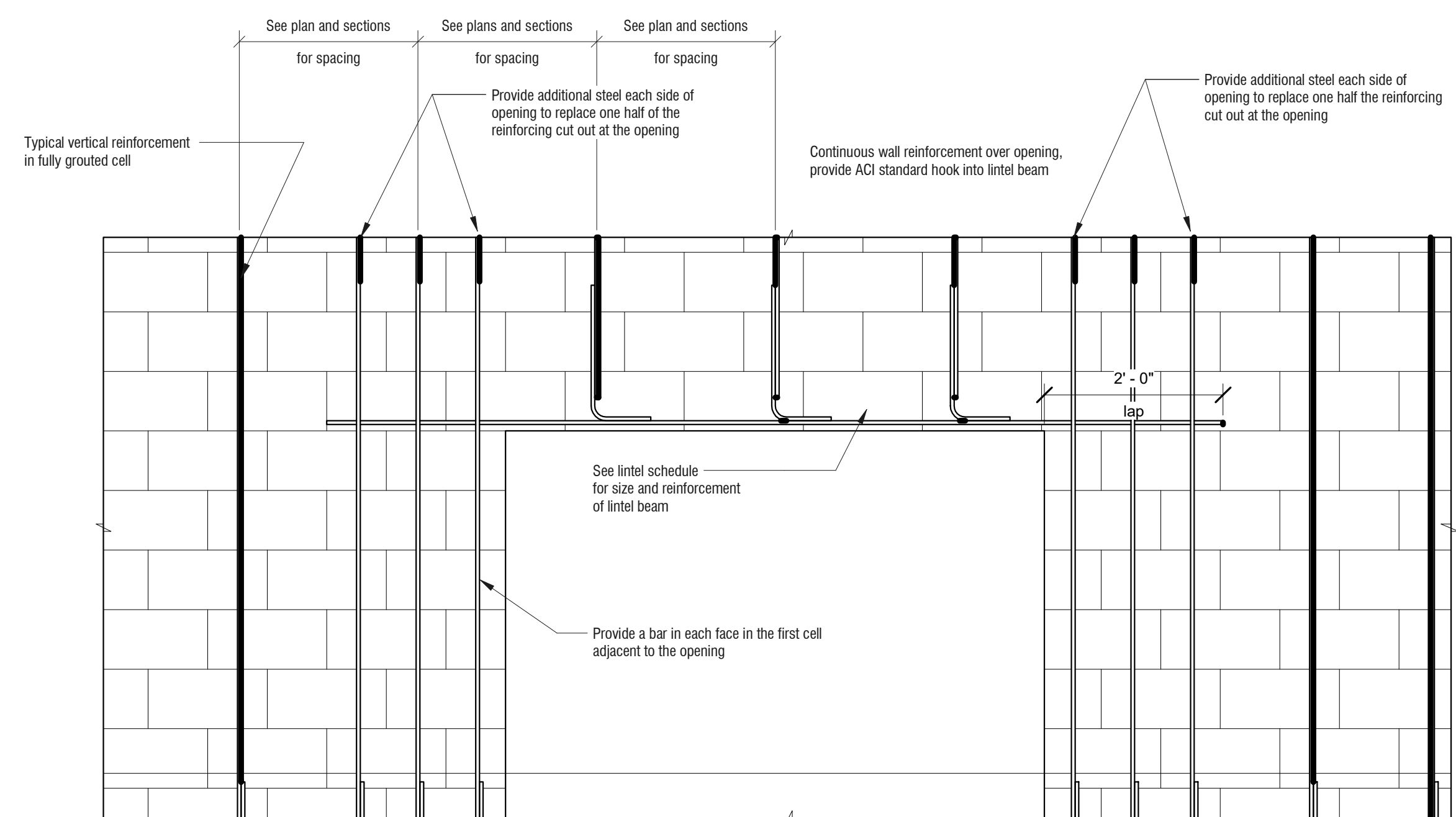


- Note:
1. See architectural plan for spacing. If spacing is not shown place joints at 3 times the wall height but not greater than 40'-0" o.c.
 2. Extend all horizontal reinforcing including bond beam steel thru control joints.

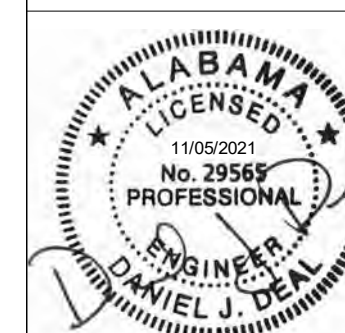
Typical Masonry Wall Control Joint



Typical Masonry Jamb Detail



CMU Lintel Elevation



Typical Details

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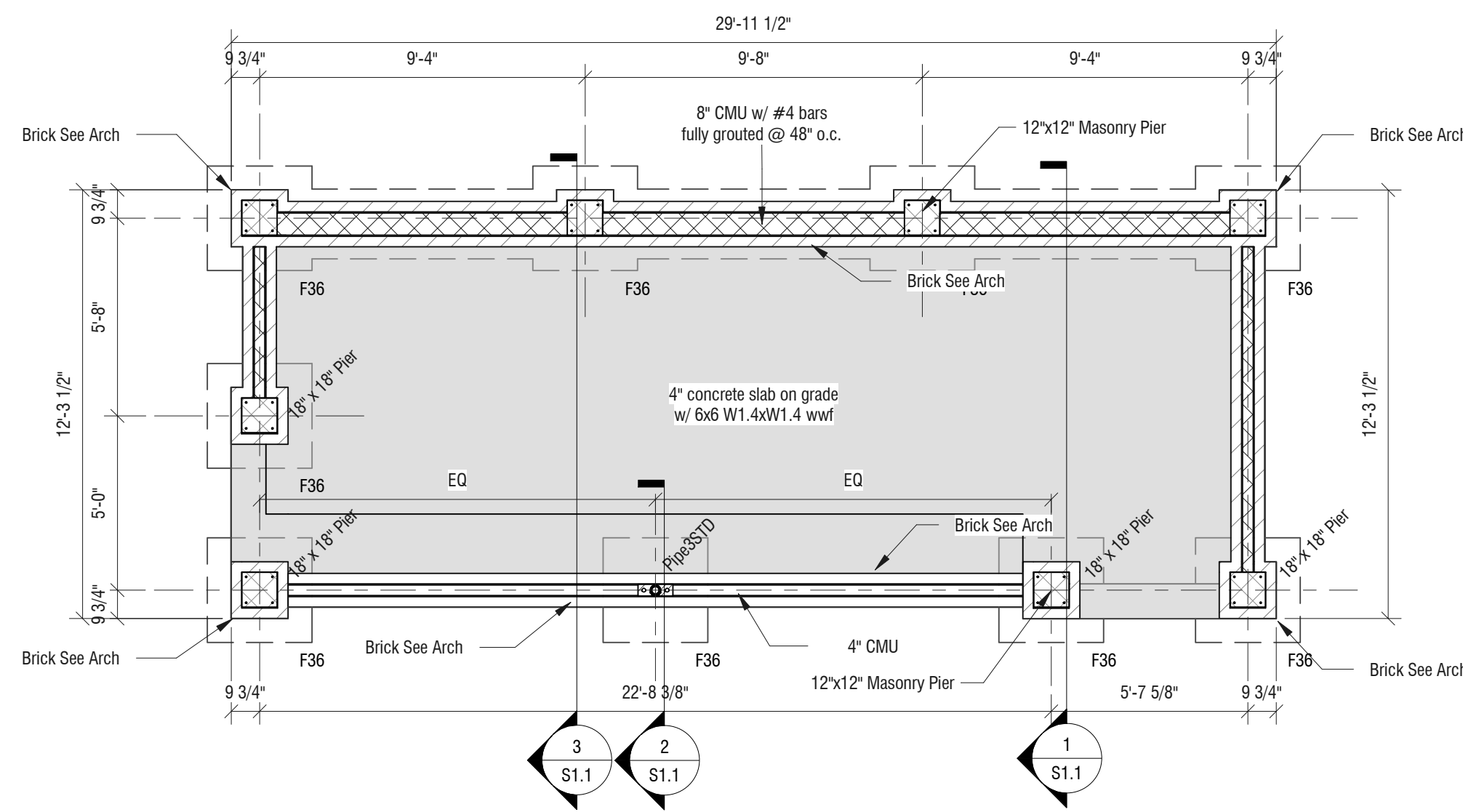
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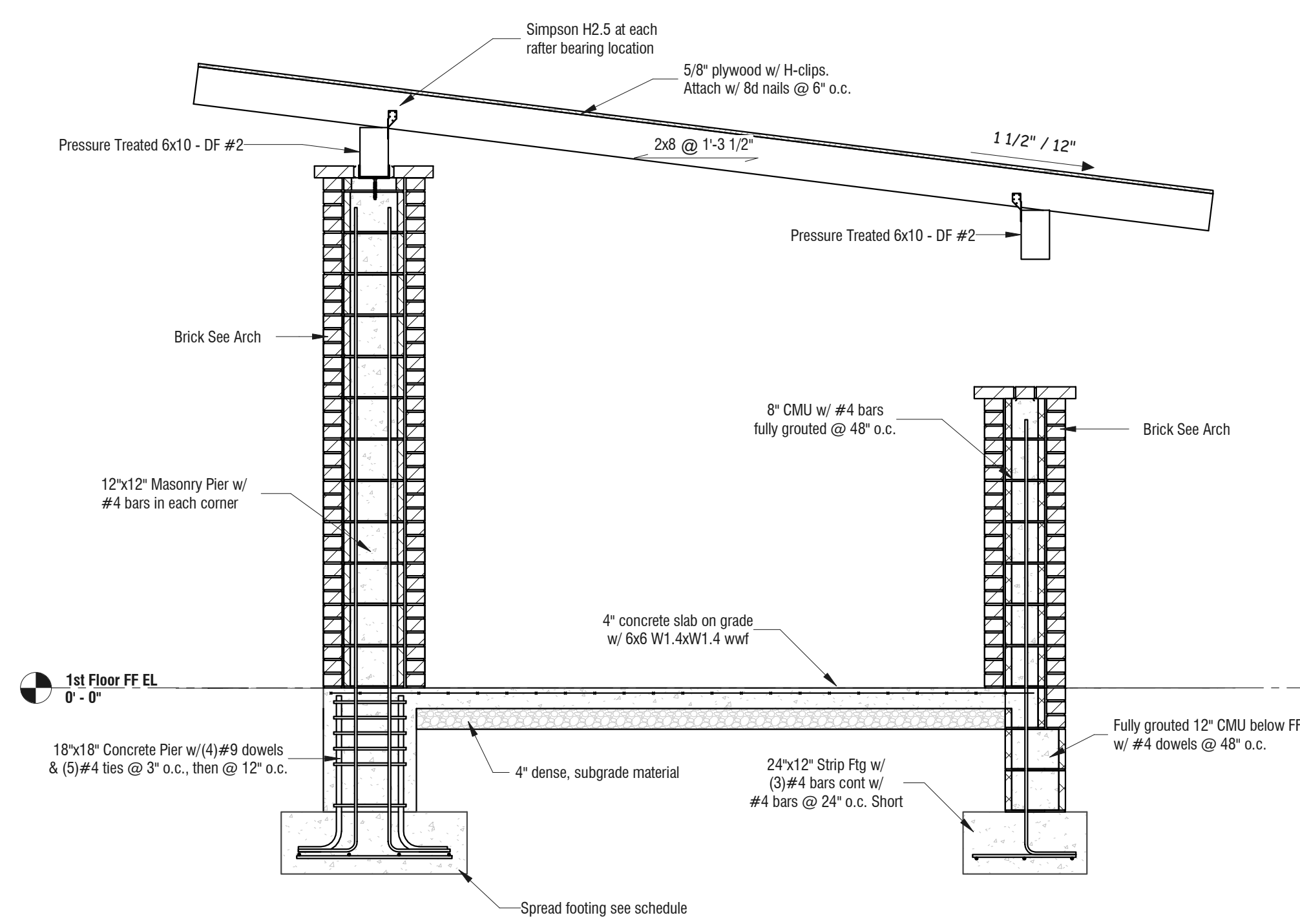
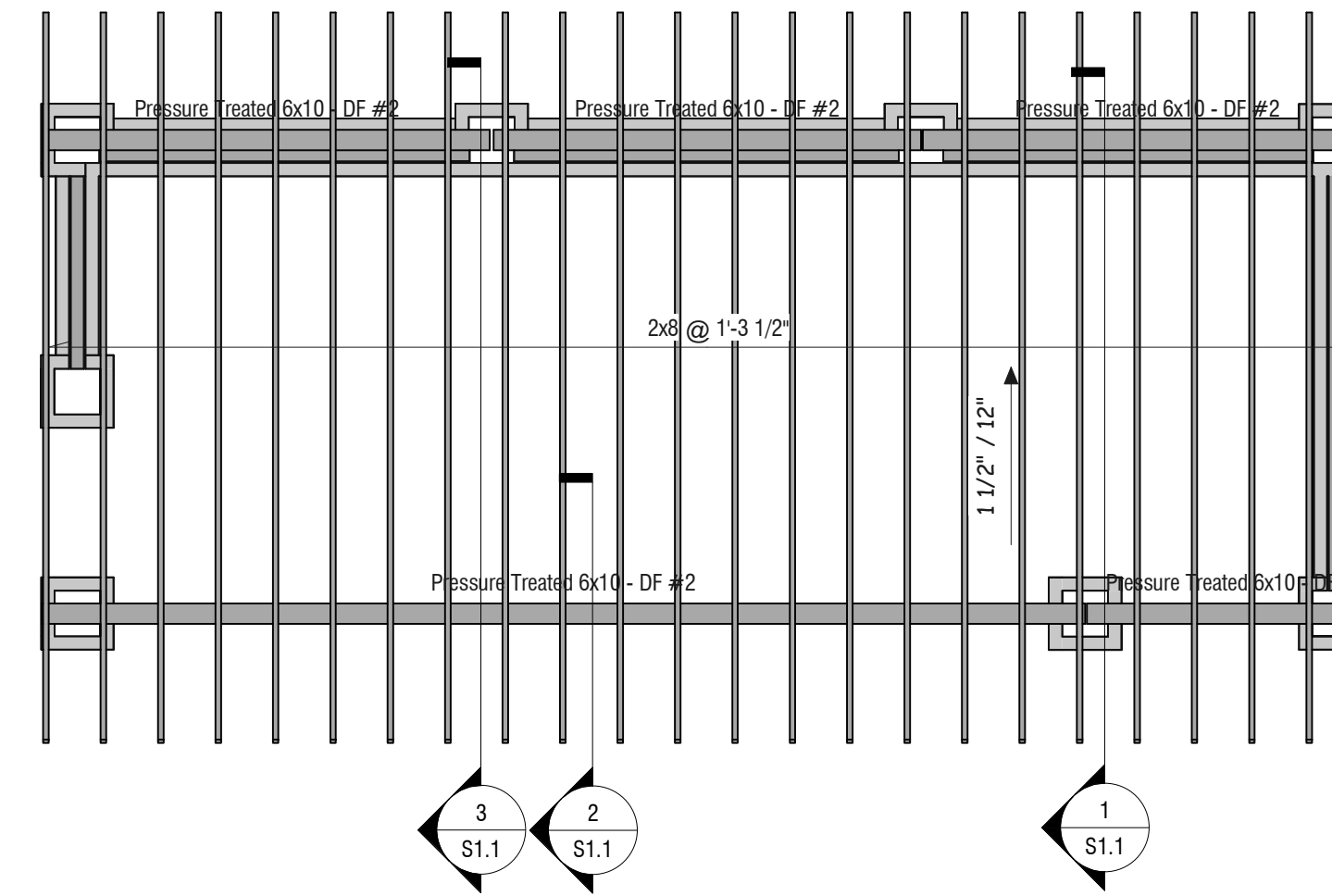
SHEET NO.

Plan Notes:
 1. See SD Sheets for Typical Details & General Notes
 2. Reference all elevations to FF EL. (+) 0'-0"
 3. Verify all elevations, slopes, dimensions, or any information not shown on structural drawings with Arch

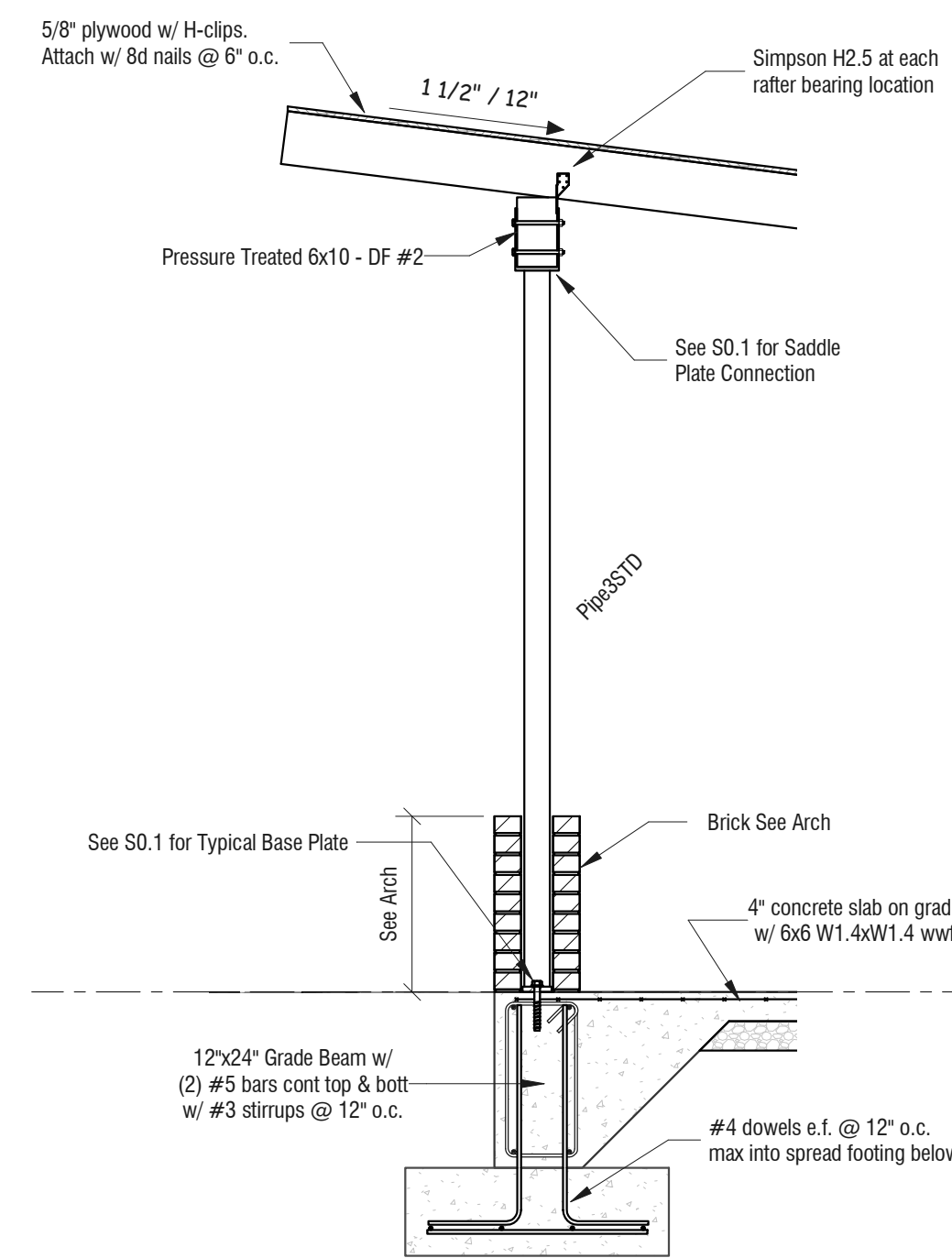
DOUGOUT FOUNDATION PLAN
 1/4" = 1'-0"



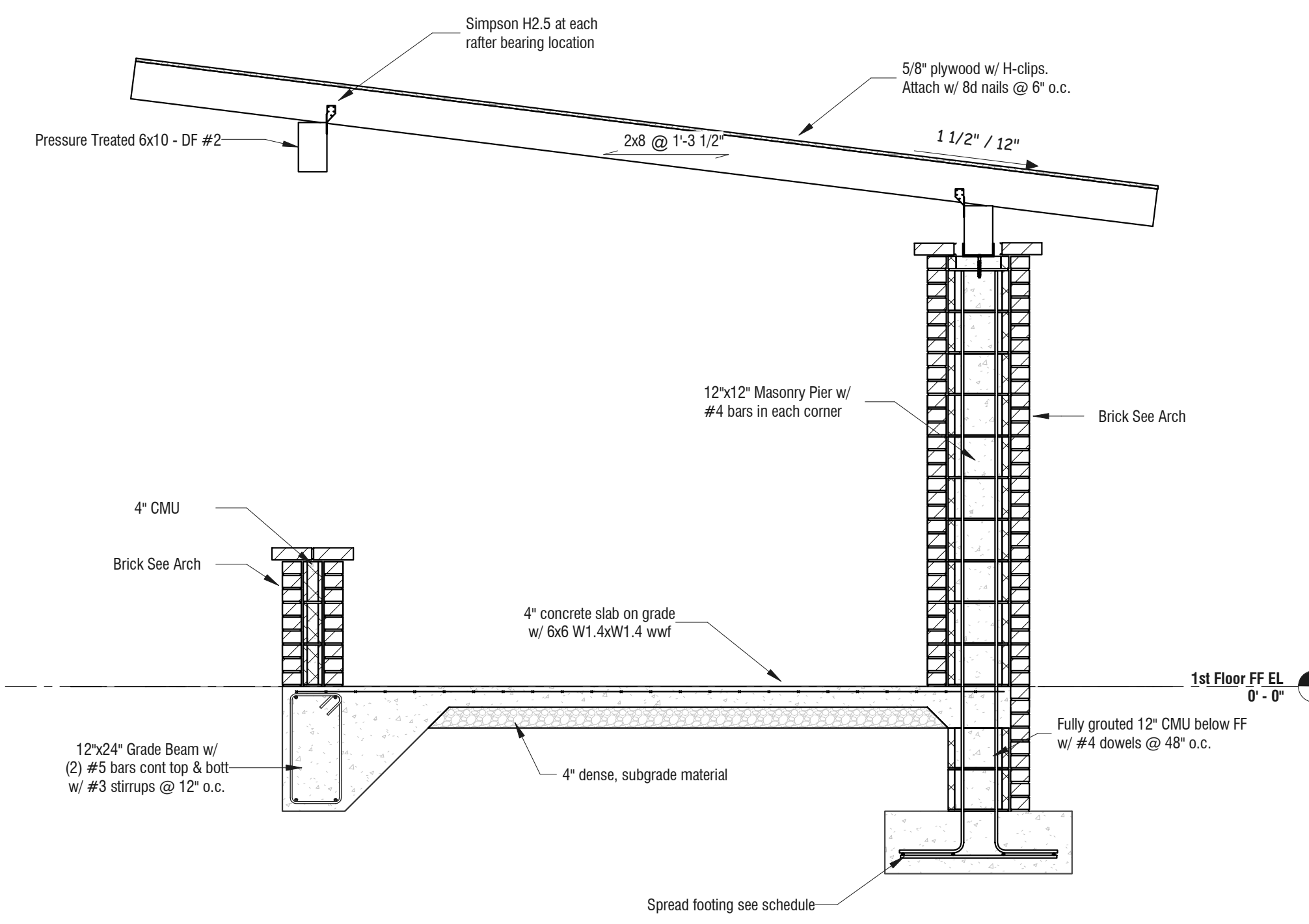
DUGOUT FRAMING PLAN
 1/4" = 1'-0"



Section 1
 1/2" = 1'-0"



Section 2
 1/2" = 1'-0"



Section 3
 1/2" = 1'-0"

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GADSDEN, ALABAMA

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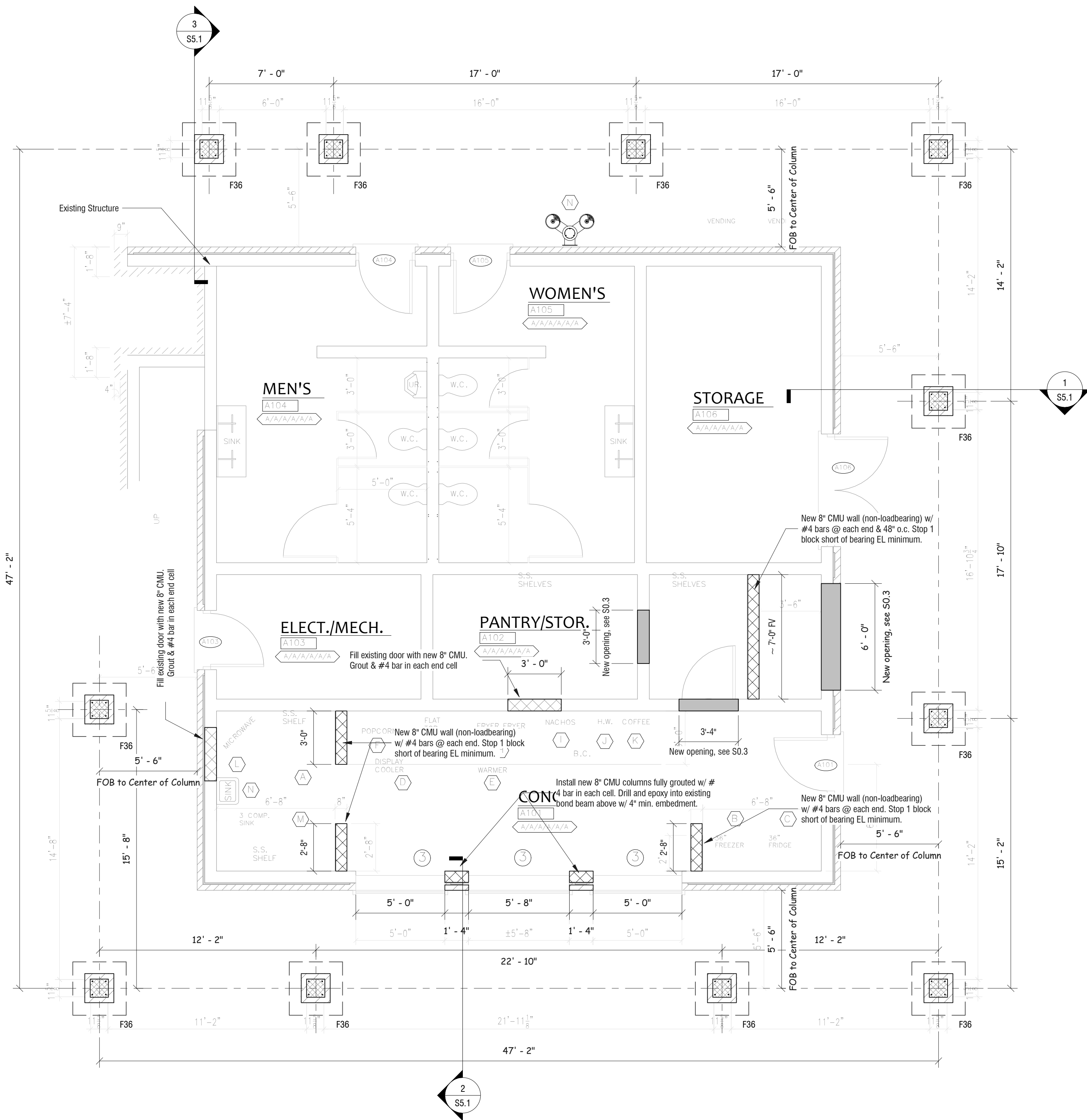


Dugout Plans & Sections

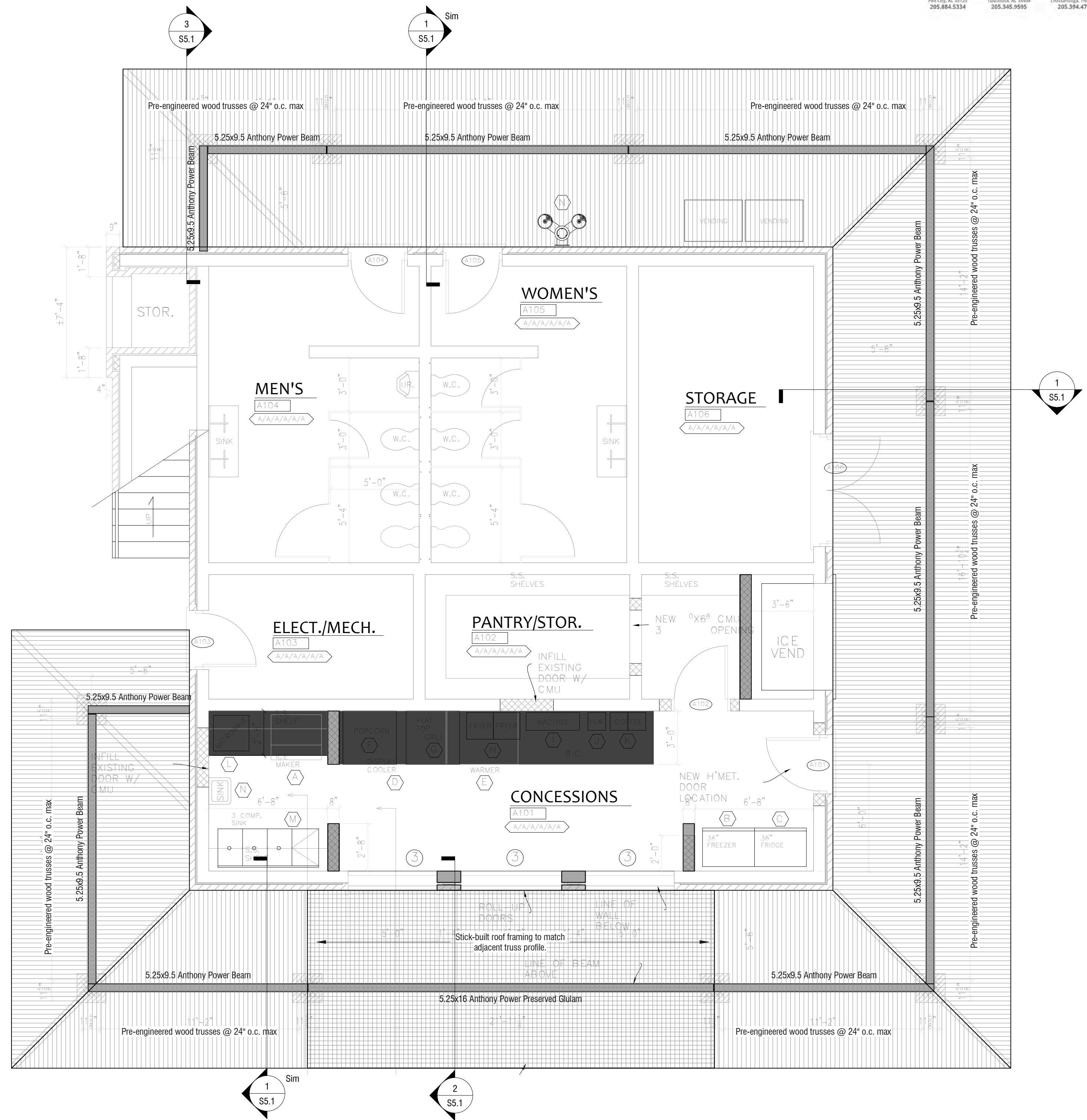
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PROJECT NO: 2020C

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 SHEET NO.



EXISTING PRESS BOX PLAN
 1/4" = 1'-0"
Plan Notes:
 1. See SD Sheets for Typical Details & General Notes
 2. Reference all elevations to FF EL (+) 0'-0"
 3. Verify all elevations, slopes, dimensions, or any
 4. Information not shown on structural drawings with Arch



EXISTING PRESS BOX LOW ROOF PLAN
 1/4" = 1'-0"
Plan Notes:
 1. See Sheet No S0.0 for typical details and general notes.
 2. Reference all elevations to finish floor elevation (+) 0'-0"
 3. Truss Bearing Elevation (+) 9'-4"
 4. Roof construction 5/8" plywood deck with H-clips. Attach with 8d nails @ 6" o.c..
 5. Refer to architectural drawings for all dimensions, slopes, elevations, etc... not illustrated on this plan. Coordinate all final dimensions and elevations with architectural.
 6. Truss loading: Top Chord Live Load = 20psf for 4/12 slope, Top Chord Dead Load = 10 psf, Bottom Chord Dead Load = 10 psf.
 7. Truss requirements: (note that all of these requirements must be included in the truss submittal prior to receiving approval)
 a) Furnish design calculations sealed by a Professional Engineer licensed in the state of Alabama for all truss members.
 b) Truss manufacturer shall specify and provide all truss to truss and truss bearing connections, and not contain mention of "by others" in relation to design.
 c) Truss manufacturer shall be responsible for providing and illustrating all temporary and permanent bracing required.
 d) Truss manufacturer shall provide SYP #2, 2x6 studs minimum for top and bottom chords of trusses.

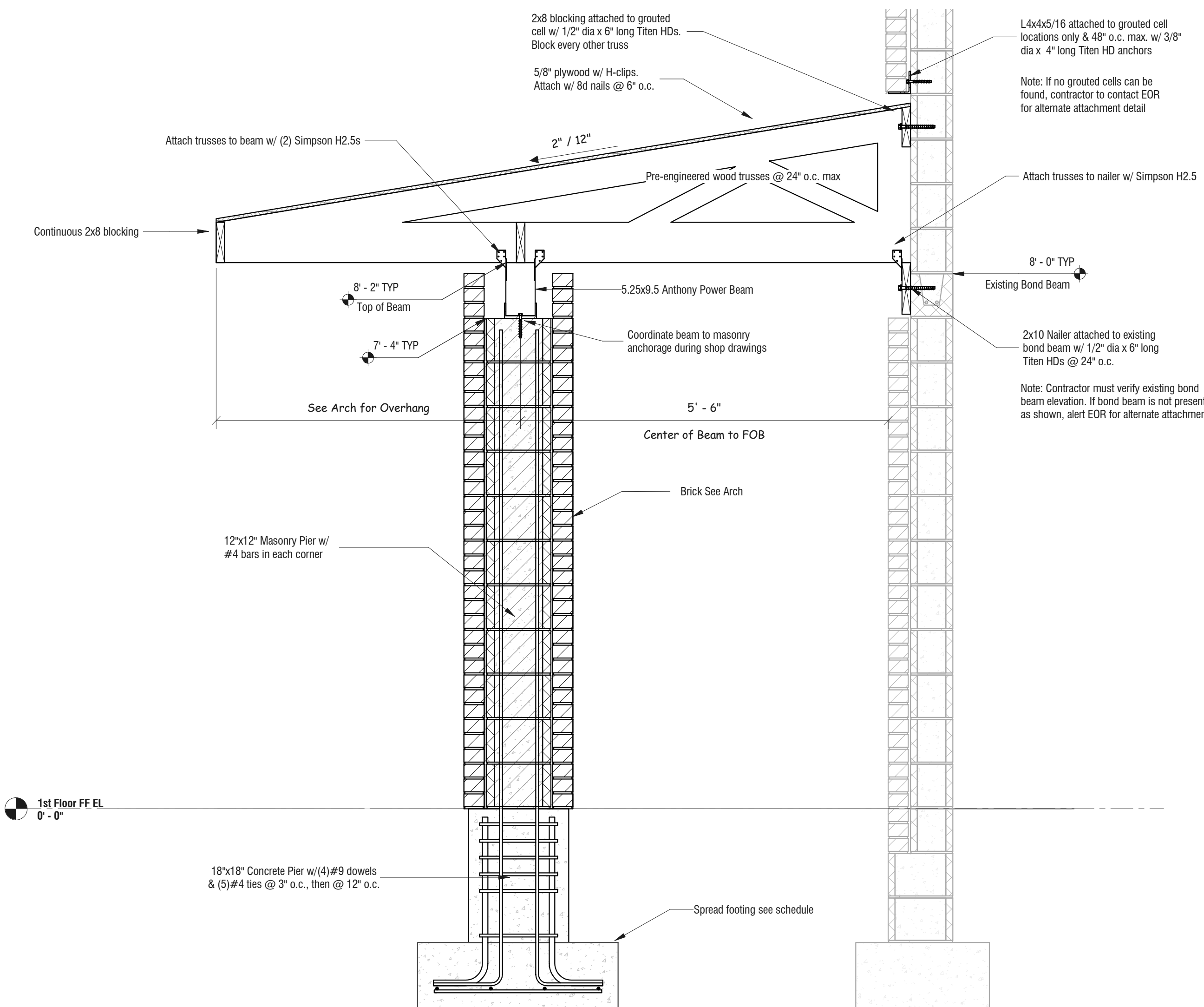
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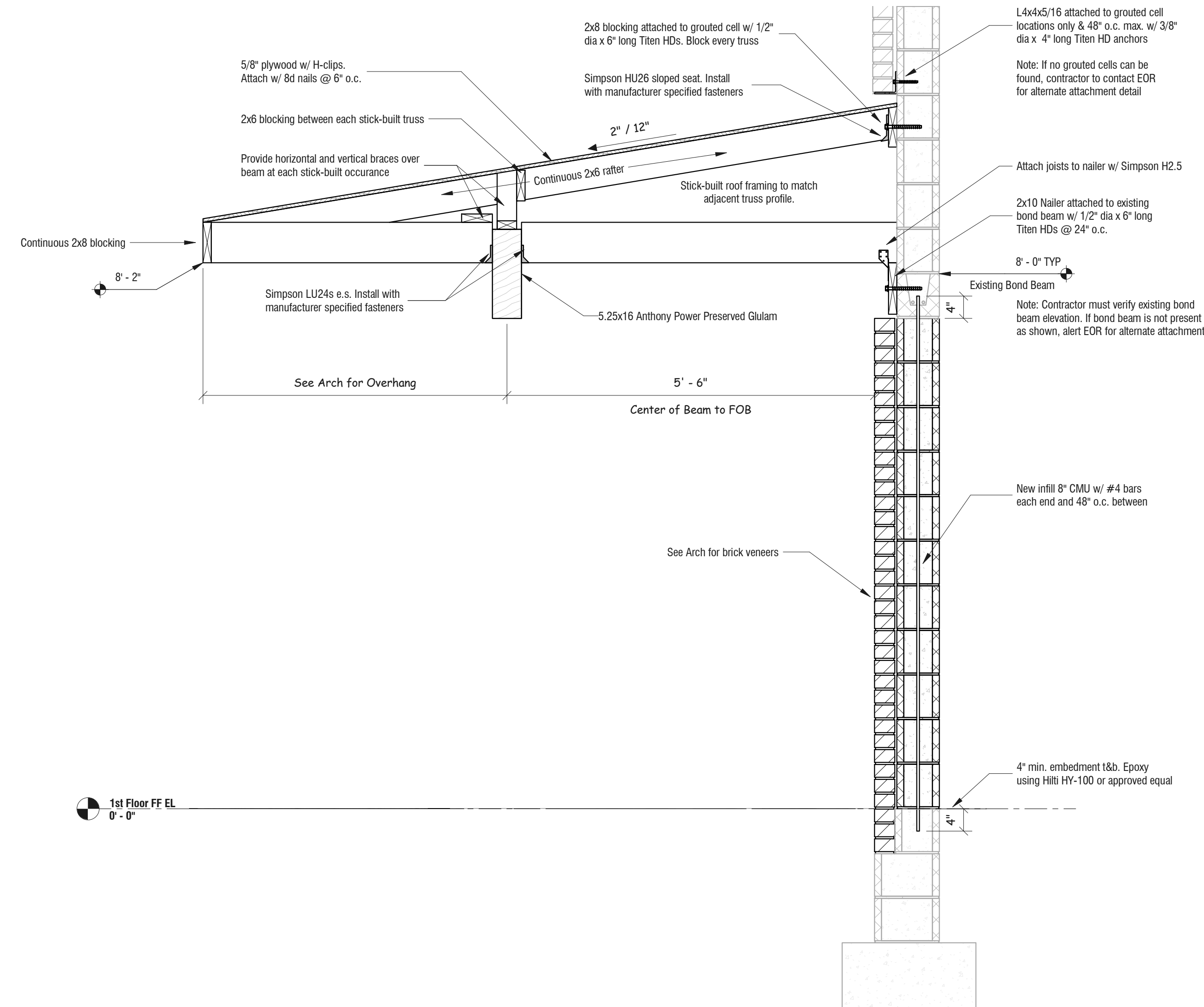


Existing Press Box Plans

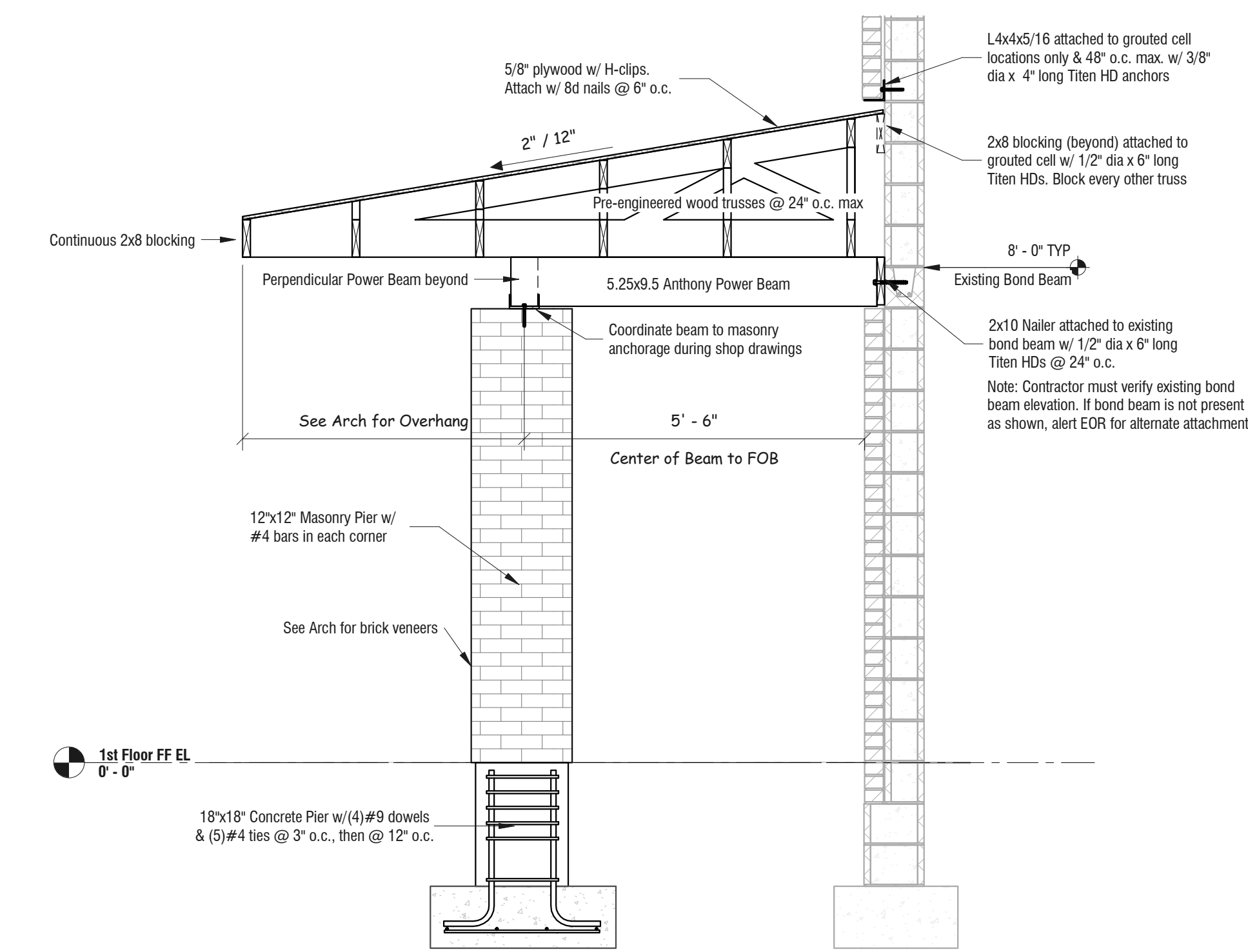
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Section 1
 3/4" = 1'-0"



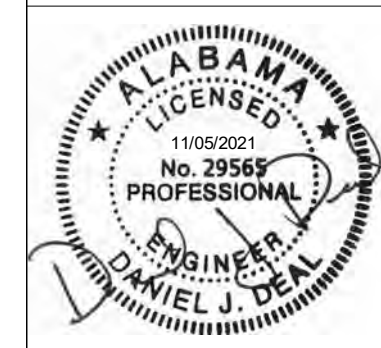
Section 2
 3/4" = 1'-0"



Section 3
 1/2" = 1'-0"

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A SPORTS PARK for the CITY OF GADSDEN
GADSDEN, ALABAMA



Existing Press Box Sections

SCALE: AS SHOWN
 DATE: 11/05/2021
 REVISED

PROJECT NO: 2020C

S5.1
 SHEET NO.